



CATALOG

NUMBER 38

SHOCKPROOF

X-RAY APPARATUS

ACCESSORIES  
AND SUPPLIES

QUALITY-BUILT

H. G. FISCHER & CO.  
2323-2345 WABANSIA AVE. • CHICAGO

Manufacturers of  
X-RAY AND ELECTRO-SURGICAL-MEDICAL EQUIPMENT

• SATISFACTORY PERFORMANCE GUARANTEED



# PRICE LIST—Effective June 1st, 1941

PAGE 7	PAGE 19	PAGE 26	PAGE 30	PAGE 33	PAGE 35
4604 .....\$2450.00	4665 .....\$ 290.00	3528 .....\$ 155.00	4360-A .....\$ 87.00	3286 .....\$ 8.00	4181 .....\$ 30.00
	4664 ..... 227.00	3529 ..... 155.00	1020-BA ..... 26.30	2477 ..... 13.25	4182 ..... 38.25
PAGE 9	4434 ..... 35.50	3530 ..... 400.00	1024-BA ..... 31.00	2478 ..... 20.00	4183 ..... 58.05
	4444 ..... 10.00	3531 ..... 530.00	1025-BA ..... 33.00	2479 ..... 26.50	3315 ..... 1.45
4585 .....\$1195.00		4130 ..... 52.00	1026-BA ..... 62.30	2480 ..... 40.00	3316 ..... 2.30
4586 ..... 1195.00	PAGE 20	4131 Pr. .... 4.00	1031-B ..... 61.00		3317 ..... 3.30
4591 ..... 1230.00		3200 ..... 61.00		PAGE 34	3318 ..... 5.20
4592 ..... 1230.00	4368 .....\$ 305.00	3198 ..... 68.50			3319 ..... 6.60
4595 ..... 37.50	4370-A ..... 290.00	3202 ..... 49.50	PAGE 31	2860 .....\$ 5.25	3320 ..... 10.05
		3199 ..... 57.00		2861 ..... 6.30	3321 ..... 5.05
PAGE 10	PAGE 21	3203 ..... 19.25	1021 .....\$ 6.65	2862 ..... 10.50	3322 ..... 12.20
4540 .....\$ 875.00	4301 .....\$ 465.00	3204 ..... 22.25	1022 ..... 15.20	2863 ..... 8.00	3323 ..... 21.30
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	2553 ..... 24.75		1017 ..... 29.25	2865 ..... 16.00	PAGE 36
PAGE 11	PAGE 22	573 .....\$ 14.00	1018 ..... 36.50	2866 ..... 10.50	
4490 .....\$1140.00	2281 .....\$ 29.50	575 ..... 21.00	1019 ..... 45.25	2867 ..... 12.60	3300 .....\$ 1.45
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	4040 ..... 31.50	3730 ..... 57.50	3441 ..... 30.00	2869 ..... 16.00	3302 ..... 3.30
PAGE 12	2282 ..... 4.00	2927 ..... 42.00	3442 ..... 45.00	2870 ..... 19.20	3303 ..... 5.20
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PAGE 13	PAGE 23	A4059 ..... 250.00	PAGE 32	2879 ..... 12.00	4502 ..... .70
4470-A .....\$ 975.00	4035 .....\$ 450.00	A4060 ..... 250.00	3496-A .....\$ 18.50	2880 ..... 20.00	4503 ..... 3.75
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	3710 .....\$ 190.00	PAGE 29	PAGE 33	4004 ..... 9.75	4515 ..... 3.25
PAGE 16	3711 ..... 180.00	4608 .....\$ 35.80			4516 ..... .75
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		4717 ..... 13.50	3797 ..... 13.25	4146 ..... 2.30	4568 ..... 3.25
PAGE 17	PAGE 25	4718 ..... 15.50	3798 ..... 20.00	4147 ..... 3.30	4569 ..... .85
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4516 ..... 375.00	3660 ..... 100.00	4726 ..... 12.00	3805 ..... 6.50	4172 ..... 19.10	4574 ..... 4.00
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PAGE 18	3863 ..... 100.00	4728 ..... 15.50	3807 ..... 16.00	4174 ..... 38.25	4576 ..... 3.25
4660 .....\$ 315.00	3930 ..... 100.00	4729 ..... 17.50	3808 ..... 21.00	4175 ..... 58.05	635 ..... .45
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	4078 ..... 175.00	1679 ..... .25	3815 ..... 10.50	4138 ..... 5.20	PAGE 37
	4079 ..... 180.00	1680 ..... .25	3816 ..... 16.00	4139 ..... 6.60	3290 .....\$ 1.50
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				4180 ..... 19.10	1672 ..... 3.75
					3269 ..... .70

See Other Side For Balance Of Prices







# FISCHER X-RAY APPARATUS ACCESSORIES and SUPPLIES

ELECTRO-SURGICAL-MEDICAL APPARATUS

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1941-1942 : Catalog No. 38

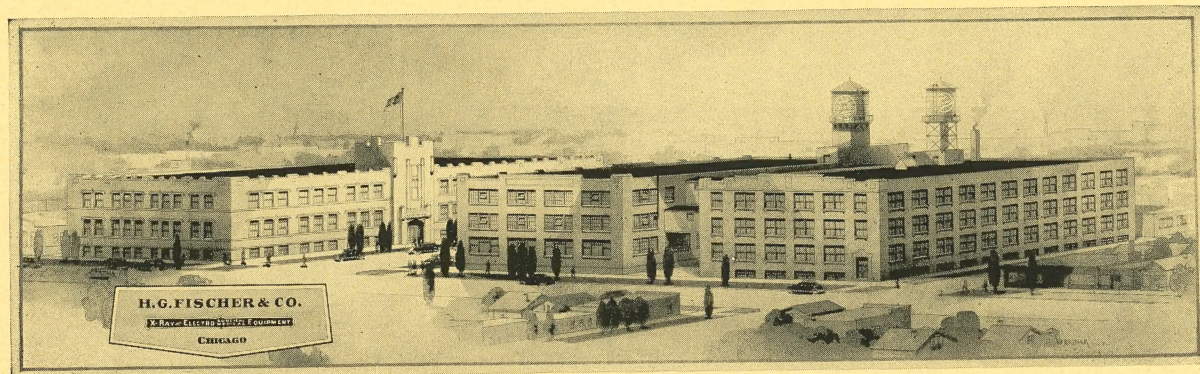


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**H. G. FISCHER & CO.**

2323-2345 Wabansia Avenue . . . Chicago, Illinois





Home of H. G. FISCHER & CO., 2323-2345 Wabansia Ave., CHICAGO, ILLINOIS

## The Complete FISCHER Line

The complete FISCHER Line includes many models of shockproof X-Ray Apparatus (Medical and Dental), Short Wave Units, Galvanic and Contractile Currents Generators, Ultra Violet and Infra-red Generators, other Apparatus, Supplies and Accessories. The FISCHER manufacturing policy requires first that every piece of FISCHER equipment shall equal or exceed in performance every competing unit designed for the same purpose, regardless of price. Second, the unit itself must be priced at the lowest point consistent with quality manufacture.

Organized in 1910, H. G. FISCHER & CO. have become one of the largest manufacturers of x-ray and electro-surgical-medical apparatus. Their equipment is known today and used the world around. It is a fact worth noting that this company was founded so long ago with small capital, and has been built up to its present proportions without the introduction of outside capital, never undertaking any mergers or reorganizations. We believe this is the only company in the industry where the men who founded it have always been and still are the active heads—where the original ideals of building the most efficient, durable and result-producing equipment possible and selling it at a fair price have been continued throughout the company's history with the same continuity of ownership, management and personnel.

The fact that more than 65,000 physicians, dentists, hospitals, clinics and universities in the United States use FISCHER manufactured equipment and that virtually all of these over this period have purchased additional FISCHER equipment is evidence that this apparatus can be thoroughly relied upon. FISCHER apparatus is well and favorably known around the world.

Further, the fact that H. G. FISCHER & CO. distributes its products through factory-trained dealer representatives not only enables the purchaser to get a great deal more per dollar expended by way of efficient and durable equipment, but at the same time assures to him an extraordinary high quality of service from expert men. Our comparatively small overhead expense and direct factory representation enable us to give the purchaser such value per dollar expended as cannot be excelled by any competitor in the field.

The FISCHER plant is centrally located. Physicians and dentists visiting Chicago are invited to spend as much time as they desire inspecting our newest apparatus or consulting regarding the technics of operation and application. Factory visitors are not solicited for orders. When wanting information, ask your local FISCHER dealer representative or write to our Home Office in Chicago.

## F O R E W O R D

In presenting this 38th Edition of the H. G. FISCHER & CO. Catalog of X-Ray Apparatus, Electro-Surgical-Medical Apparatus, Accessories and Supplies, it is pertinent to note:

- ... 1 That every effort has been made to include all items needed by the x-ray specialist, medical or dental.
- ... 2 That many competing items are shown, such as screens and films, permitting selections to be made.
- ... 3 That prices have been inserted for the convenience of customers.
- ... 4 And that a handy reference index will be found at the back of the catalog.

Every piece of apparatus, also all accessories and supplies listed are recommended as highest quality and wholly dependable. It is to be understood, further, that illustrations and descriptions are not binding as to detail, in view of the fact that improvements are constantly being sought and, when found, adopted by the manufacturers.

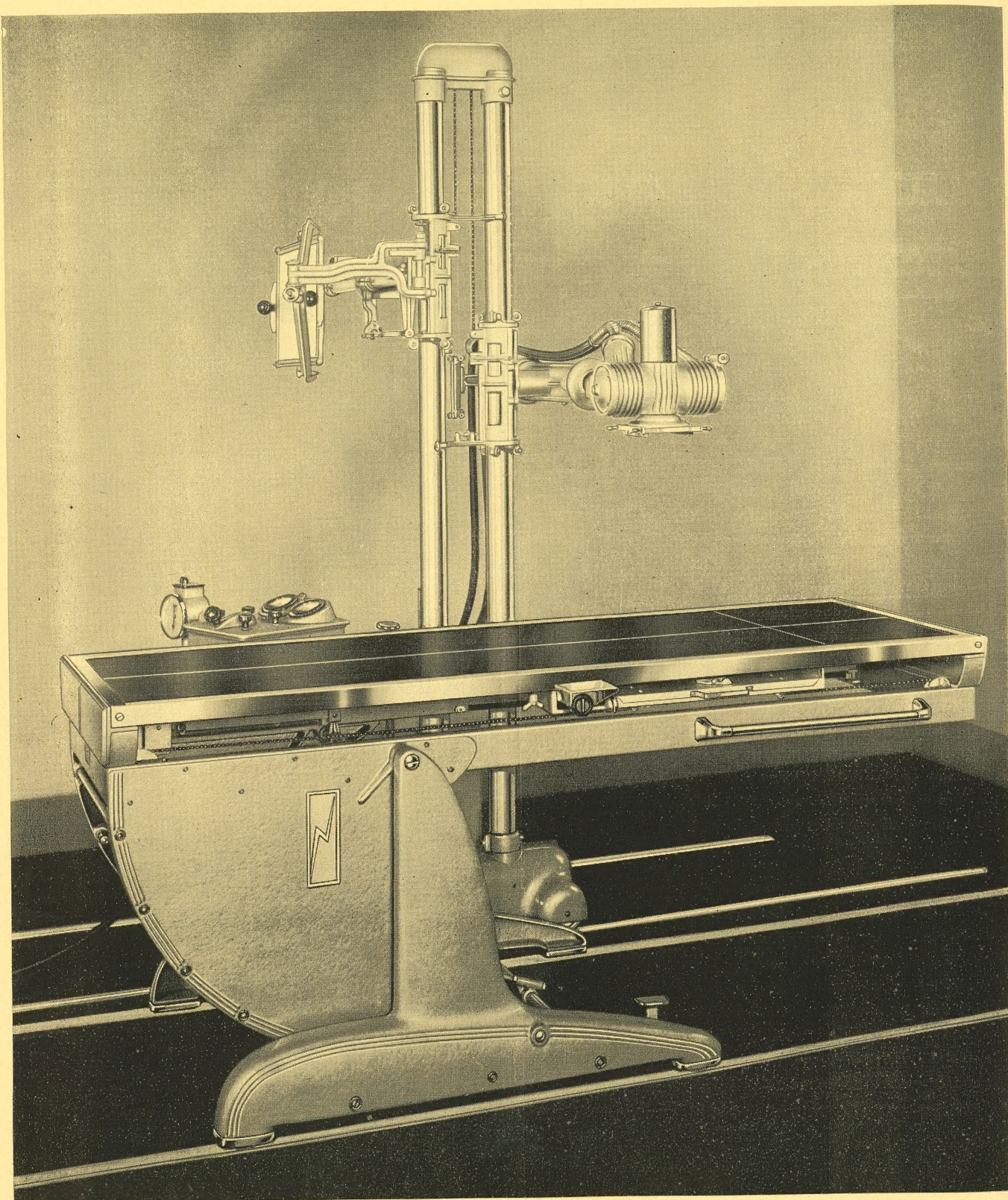
Orders will always be filled with "the latest model" equipment, accessories, or supplies—new models naturally being superior to the models replaced.

Inquiries for items not catalogued are invited.

### NOTICE

Prices quoted are F.O.B. Chicago, and subject to change without notice. H. G. FISCHER & CO. makes every effort to give prompt and efficient service. Read page 60 for Instructions on How to Order.





## FISCHER MODEL "RF-100" Shockproof X-Ray Apparatus

**F**ISCHER Model "RF-100" Shockproof X-Ray Apparatus has proved itself extremely popular with many physicians, hospitals, clinics, and other medical institu-

tions wanting very fine performance in both radiography and fluoroscopy, coupled with reasonable price. This apparatus, as shown by the illustrations, can readily be

adjusted for any radiographic or fluoroscopic need. All positions lock fast.

Among special features, is the double-focus tube, 350,000 heat unit capacity; the Patterson Type "B" screen; the FISCHER Tilt Table; the FISCHER Electrosynchrotimer. When desired a special timer will be provided, calibrated to one-twentieth second. Both x-ray apparatus and table are mounted on rails, permitting installation of this apparatus in surprisingly small space.

### Features of STRUCTURE-OPERATION

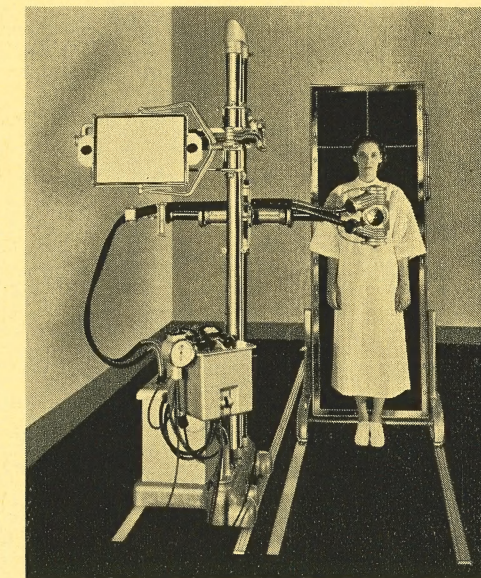
1. This apparatus is shockproof throughout—grounding wire in line cable.
2. Power is up to 100 M.A. and up to 100 P.K.V. Both milliamperage and kilovoltage are variable.
3. Control is fine—there are main and auxiliary controls for M.A. and for P.K.V. Milliamperage is continuous, kilovoltage may be varied as little as one P.K.V.
4. Flexibility is a special feature—all required adjustments are easily and quickly made.
5. The double-focus tube provides a fine focus (1.5 mm.) and a broad focus (4.8 mm.) with selector switch on control stand. A heat indicator is built into the tubehead.
6. The screen is Patterson Type "B"—12"x16". Shutters provided with convenient controls.
7. The FISCHER Electrosynchrotimer measures time in 1/10 sec., maximum 15 seconds. A special timer, calibrated to 1/20 sec., maximum, 20 seconds, is available.
8. The FISCHER Tilt Table is full size, locks in any required position. Equipped with FISCHER Synchrotimed Bucky diaphragm.
9. The high voltage transformer provides stable operation at high efficiency under all load conditions.
10. A safety circuit breaker protects against overload.
11. The finish is black kristokrak or hammered gray. Special finishes at slight additional cost.
12. This apparatus is backed by the usual strong FISCHER guarantee.

No.

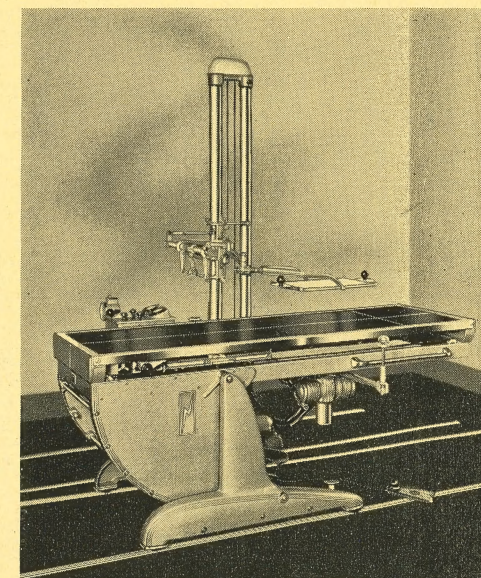
Code

4604—FISCHER Model "RF-100" Shockproof X-Ray Apparatus, including tube, screen, controls, Synchrotimer, table and 17" Bucky, foot switch, shutters, and mounted on rails .....TIOSC

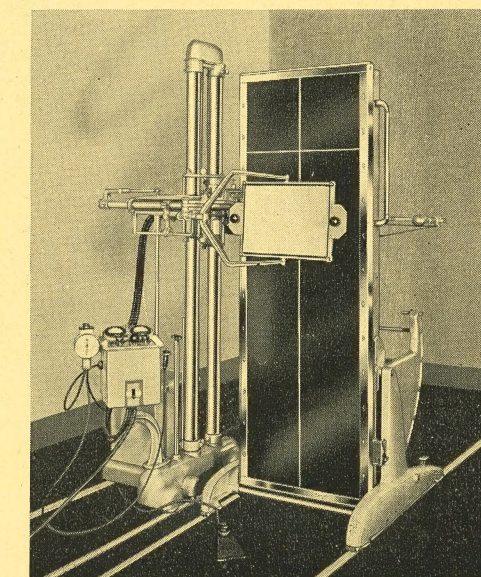
Ask for descriptive pamphlet Form 2002



*Position for Vertical Radiography*



*Position for Horizontal Fluoroscopy*

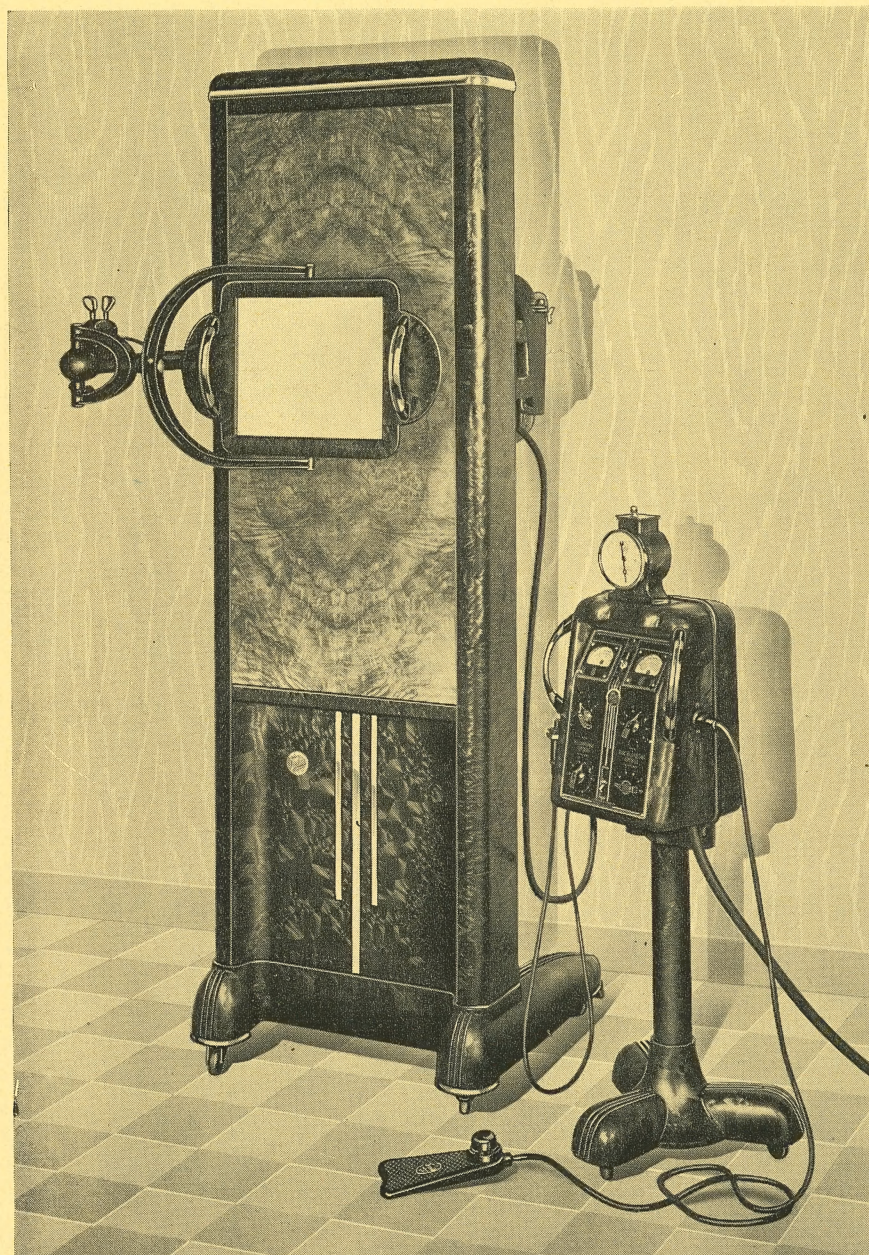


*Position for Vertical Fluoroscopy*



## FISCHER MODEL "TF"

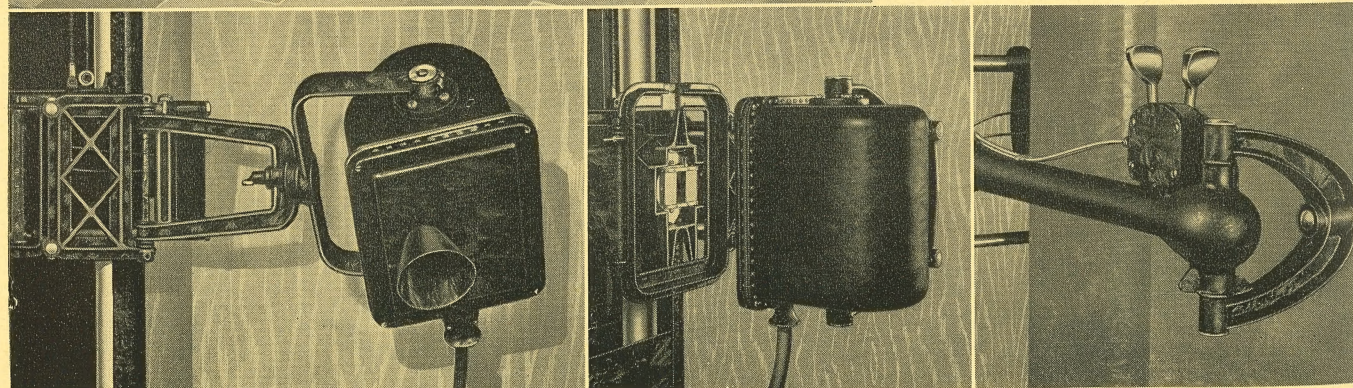
### Shockproof Fluoroscope with Radiographic Facilities



**F**ISCHER Model "TF" provides a double-service. It is first of all a highest-quality vertical fluoroscope. This unit is shown in the adjoining illustration. Second, used with a table, this apparatus affords a surprisingly wide range of radiographic performance. The tubehead swings out over the table, as shown on opposite page, swivels to any angle, and may be positioned for use with wall frame or wall-mounted cassette holder.

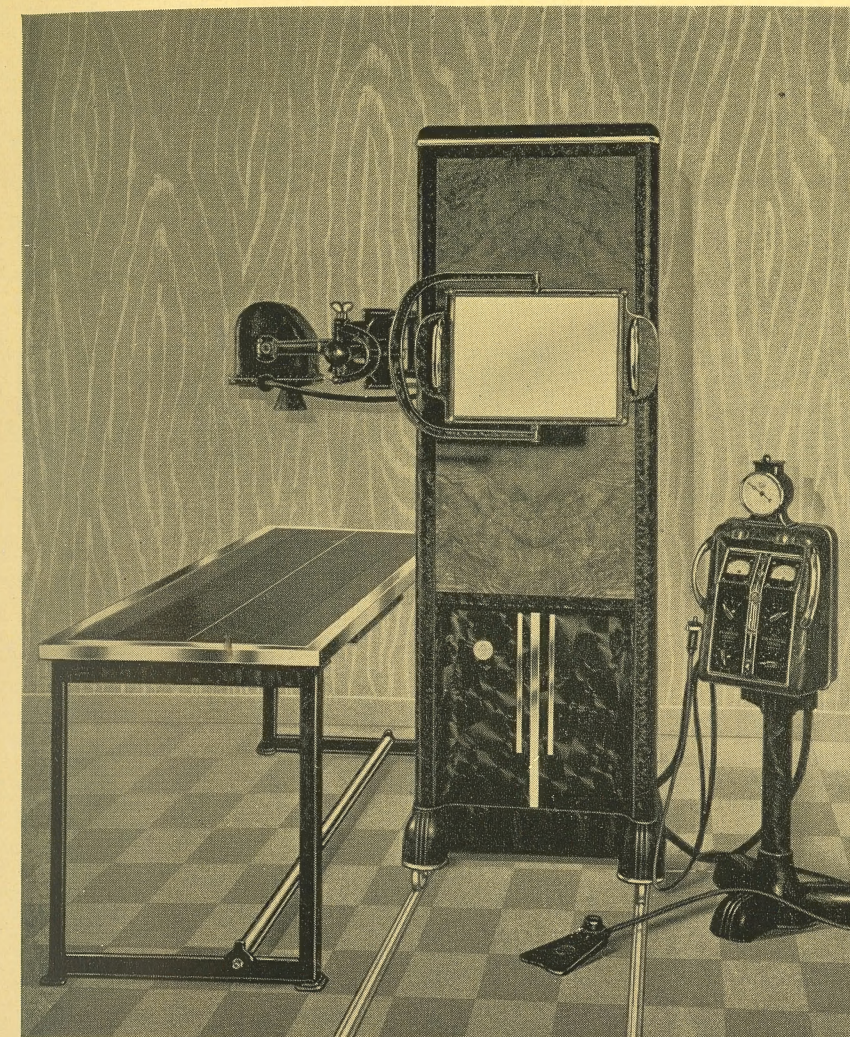
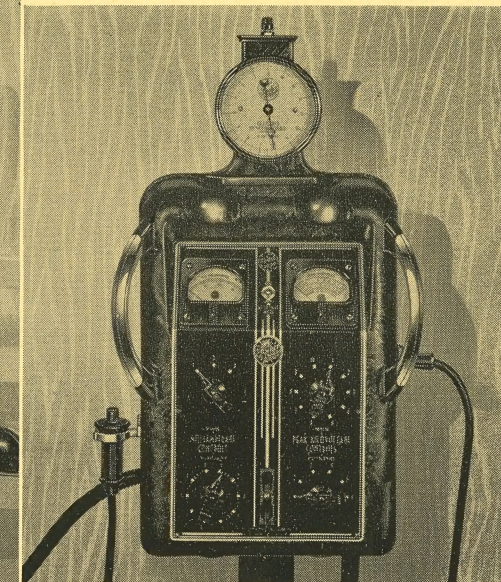
Power is up to 30 M.A. and up to 96 P.K.V., both milliamperage and kilovoltage being under exceptionally fine control. Among features worthy of special mention are the leak-proof housing for tube and transformer (made of a single piece of cold drawn steel), the convenient shutter controls, mounted in the screen carriage arm, and the heavy, adjustable shutters providing any limitation of screen area. Note the three small illustrations below. FISCHER Model "TF" permits use of the FISCHER Orthodiagraphic Attachment.

This apparatus, as a mobile vertical fluoroscope or in arrangement with x-ray table, is recommended to physicians, hospitals, clinics, and other medical institutions desiring finest performance in apparatus of this power. It is backed by the usual strong FISCHER guarantee.



## CONTROL MECHANISM

FISCHER Model "TF" operates under especially fine controls. The stand is mobile for convenience. The line switch is also a circuit breaker. There are main and auxiliary controls for both milliamperage and kilovoltage. Milliamperage control is continuous from 0 to 30. Kilovoltage may be varied as little as approximately one P.K.V. Two pilot lights, with ON and OFF switch, serve also as meter lights. A hand switch for radiography is included. All markings are clear and legible and will remain so permanently.



## Features of STRUCTURE-OPERATION

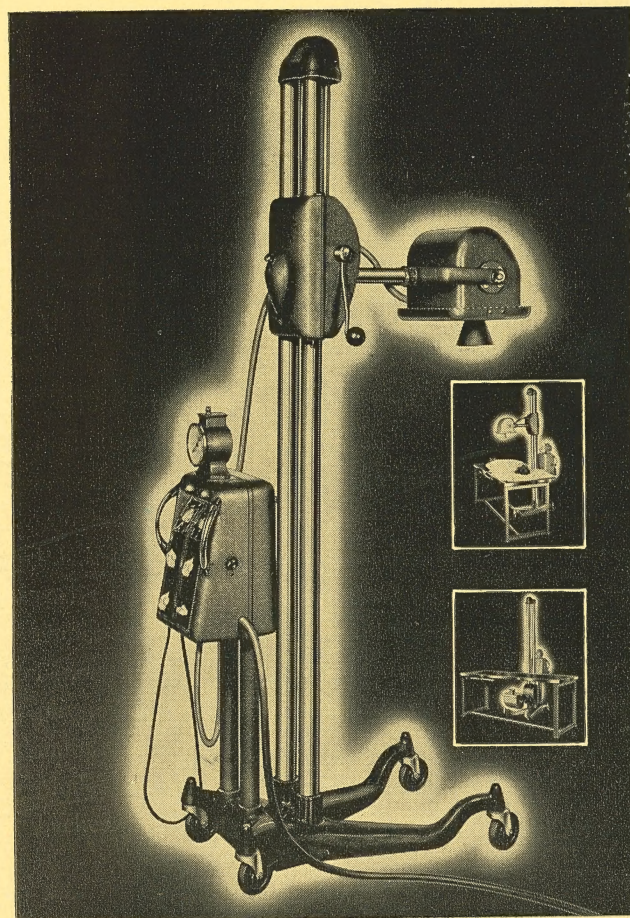
1. FISCHER Model "TF" is shockproof throughout. Tube and transformer are immersed in oil.
2. The tube is of the durable, heavy-anode type. A choice of a 2 mm. or of a 3.2 mm. focal spot is available.
3. The screen is the Patterson Type "B". Furnished in 10"x12" size or in 12"x16" size.
4. The shutter controls are conveniently located and may be operated, singly or together, with gloved hand.
5. The high voltage transformer provides stable operation at high efficiency under all load conditions.
6. The FISCHER Electrosynchrotimer measures time in 1/10 seconds, maximum 15 seconds.
7. The fluoroscopic panel is specially selected to be free from fluoroscopic grain. Screen moves readily over any part of panel.
8. In both materials and construction, FISCHER Model "TF" is highest quality.
9. Standard finishes are black kristokrak or hammered gray. Ivory at slight additional cost.
10. FISCHER Model "TF" will operate on either a 220 volt line or a 110 volt line of adequate capacity—A.C. Orders must specify line voltage and cycle.

No.	Code
4585—FISCHER Model "TF" Shockproof Fluoroscope with Radiographic Facilities, including 10"x12" Patterson Type "B" screen, Remote Control Unit and cables, Electrosynchrotimer, Foot Switch, 2 mm. focal spot X-Ray Tube with casters and locks	TIHHT
4586—Same as Cat. No. 4585 except has 3.2 mm. focal spot x-ray tube	TIJEX
4591—Same as Cat. No. 4585 except equipped with 12"x16" Patterson Type "B" screen in place of the 10"x12" size	TIJIT
4592—Same as Cat. No. 4586 except equipped with 12"x16" Patterson Type "B" screen in place of the 10"x12" size	TIJJS
4595—Set of 4 Special Wheels and two 9' Guide Rails	TIJLP

Ask for descriptive pamphlet Form 1915A



## FISCHER MODEL "TC" Shockproof X-Ray Apparatus



**I**N this FISCHER Model "TC" is embodied two outstanding features—ease and simplicity of operation and highly efficient performance. Used with a table (wall frame or wall-mounted cassette holder), this unit affords both vertical and horizontal radiography, and fluoroscopy is available using a hand or operating fluoroscope or suspended screen. All materials are highest quality.

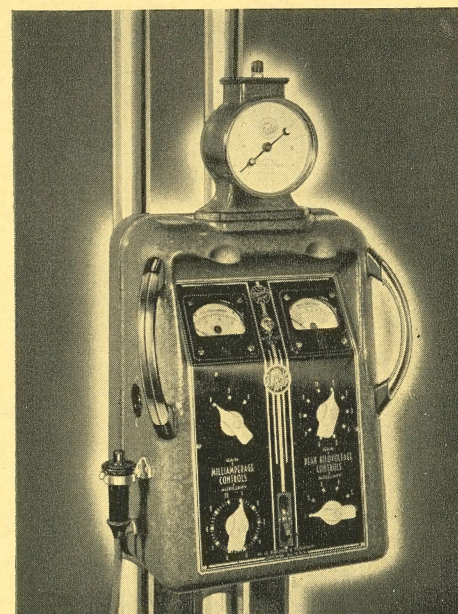
Among features worthy of special mention are the following: Power is up to 30 M.A. and up to 96 P.K.V. Control is very fine, milliamperage is continuous from 0 to 30 and kilovoltage may be varied as little as approximately one P.K.V. Flexibility is complete, the tubehead may be placed easily in any required position above or below table. A choice of x-ray tubes is permitted—either a 2 mm. focus for bone definition or a 3.2 mm. focus for heavy work. Any physician, roentgenologist, hospital or clinic, wanting a mobile x-ray unit of this power, will find this FISCHER Model "TC" satisfactory in every way. Performance is backed by the usual strong FISCHER guarantee.

### Features of STRUCTURE-OPERATION

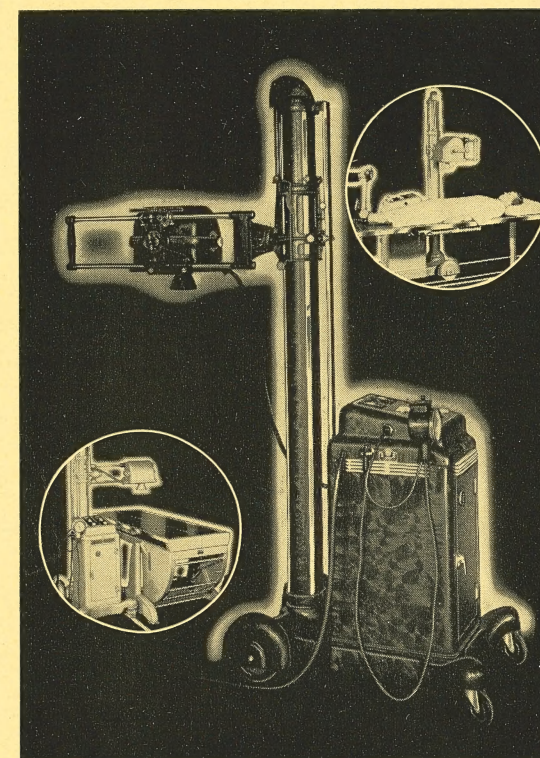
1. **SHOCKPROOF.** FISCHER Model "TC" is shockproof throughout. Grounding wire in line cord.
2. **X-RAY TUBE.** This is of the durable, heavy-anode type, constructed to give exceptional definition in both radiography and fluoroscopy. A choice of a 2 mm or a 3.2 mm focal spot is available.
3. **HIGH VOLTAGE TRANSFORMER.** Contained in the oil-immersed tubehead. Provides stable operation at high efficiency under all load conditions.
4. **TIMER.** FISCHER Model "TC" is equipped with the FISCHER Synchrotimer, measuring time in 1/10 sec., maximum, 15 sec.
5. **ADJUSTMENT MECHANISM.** For raising and lowering tubehead. Operation very easy. Automatic lock prevents accidental dropping of tubehead.
6. **CIRCUIT BREAKER.** Provides utmost safety against electrical overloads and damage to apparatus.
7. **CURRENT.** FISCHER Model "TC" will operate on either a 220 volt line or a 110 volt line of adequate capacity—A.C. Orders must specify line voltage and cycle.
8. **CONSTRUCTION QUALITY.** In both materials and construction, FISCHER Model "TC" is highest quality. Breakdowns and the need of repairs are extremely unlikely.
9. **FINISHES.** Standard finishes are green hammerloid or hammered gray. Black kristokrak or ivory will be furnished on order.

No.		Code
4540	FISCHER Model "TC" Shockproof X-Ray Apparatus—2 mm focal spot.....	TIGRH
4544	FISCHER Model "TC" Shockproof X-Ray Apparatus—3.2 mm focal spot.....	TIHDX

Ask for descriptive pamphlet Form 1915A



## FISCHER MODEL "TM" Shockproof X-Ray Apparatus



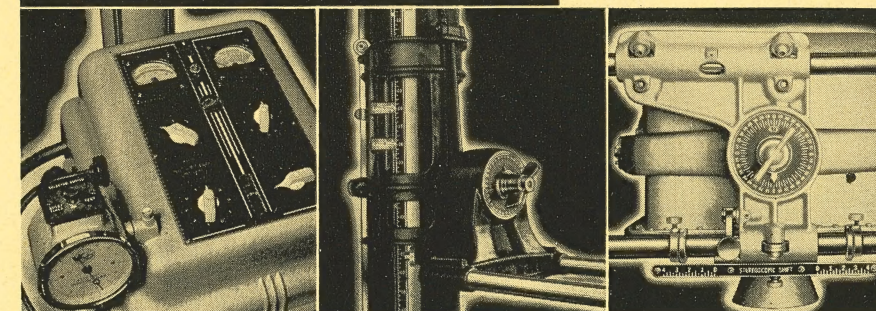
**T**HIS remarkably flexible apparatus is available either as a mobile unit mounted on wheels and casters, or as a unit mounted on grooved rails for use with table. Complete radiographic and fluoroscopic service is available, the latter using a hand or operating fluoroscope or suspended screen. The power available is up to 30 M.A. and up to 96 P.K.V. Operators can depend on exact energy output at any control setting.

Other features worthy of special emphasis are the following: The unit is shockproof throughout. Every required position in radiography and fluoroscopy is very easily obtained and locks fast. There is a vertical scale indicating the exact distance of x-ray tube above table and above Bucky diaphragm. The stereoscopic shift is calibrated to allow accurate selection of all stereoscopic distances. The x-ray tube and transformer are oil-immersed within a leak-proof housing made of one single piece of cold-drawn steel.

Below is given a list of other features of structure-operation. Performance of this apparatus is backed by the usual strong FISCHER guarantee.

### ILLUSTRATIONS

Illustration above shows FISCHER Model "TM" as mobile unit. Insets show how unit may be used with x-ray tables of different types. The three small illustrations show the control mechanism, the vertical scale, and the stereoscopic shift. In place of the FISCHER Electrosynchrotimer shown, this apparatus may be equipped with a best-quality hand timer.



### Features of STRUCTURE-OPERATION

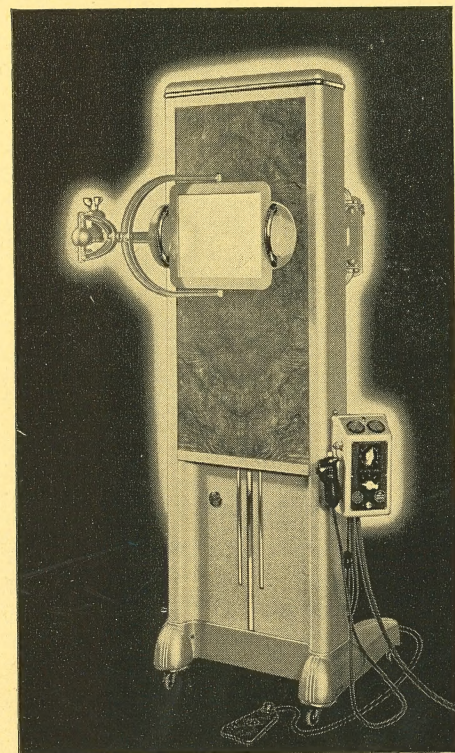
1. FISCHER Model "TM" is exceedingly compact. Even with table, small installation space is needed.
2. Both M.A. and P.K.V. are variable and under especially fine control, permitting the exact penetration needed. Milliamperage is infinite from 0 to 30; kilovoltage may be varied approximately one P.K.V. at will. Main and auxiliary controls are provided.
3. The x-ray tube is of the durable, heavy-anode, fine-focus type. Constructed to give exceptional definition in both radiography and fluoroscopy.
4. The counterbalance is hidden within the upright and is exact. A slight push or pull raises or lowers tubehead. Supported by double chain, insuring safety.
5. Locks permit locking machine and tubehead fast in any required position.
6. A circuit breaker provides the utmost safety against electrical overloads and damage to apparatus. Operated quickly, easily and safely.
7. A double-compartment, lead-lined cabinet provides space for storing films and cassettes.
8. FISCHER Model "TM" will operate on either a 110 volt or 220 volt line—A.C. Orders must specify current.
9. In both materials and construction, FISCHER Model "TM" is highest quality.
10. Standard finishes are hammered gray, black kristokrak and plain ivory.

No.		Code
4490	FISCHER Model "TM" Shockproof X-Ray Apparatus including Synchrotimer and mounted on free-rolling wheels and casters.....	TIESC
4491	FISCHER Model "TM" Shockproof X-Ray Apparatus including Synchrotimer, also mountings for and set of 9' grooved rails.....	TIETE

Ask for descriptive pamphlet Form 1895

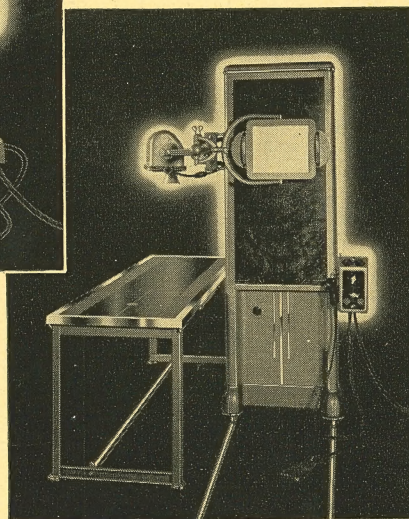


## FISCHER MODEL "GF" Shockproof Fluoroscopic and Radiographic Apparatus



IN designing FISCHER Model "GF" Fluoroscopic and Radiographic Apparatus, the purpose was first, to provide a highest-quality vertical fluoroscope; second, to add, within the power range, virtually every service needed in both vertical and horizontal radiography. At the same time, the price of this double-purpose apparatus is remarkably low.

The illustrations given herewith show FISCHER Model "GF" both as the vertical fluoroscope (left) and in arrangement with table (below). Note optional mounting on rails. These units are equipped with the standard control mechanism. The small illustration at bottom shows FISCHER Model "GF" arranged with the FISCHER mobile remote control and FISCHER Electrosynchrotimer. This unit permits use of the FISCHER Orthodiagraphic Attachment for heart tracing. FISCHER Model "GF" is recommended to physicians, hospitals, clinics and other medical institutions desiring highest quality performance. It is backed by the usual strong FISCHER guarantee.



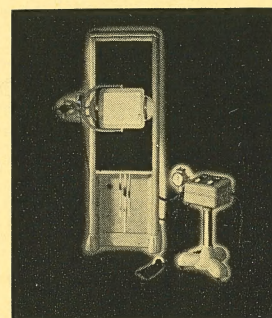
### CONTROL MECHANISM

FISCHER Model "GF-15" Fluoroscopic and Radiographic Apparatus is equipped with the standard control mechanism shown attached to frame. Note the milliamperage and kilovoltage controls, the separate meters and the hand timer. There is a pilot light. The filament control is continuous from 0 to 15. The kilovoltage control provides five voltage steps from 33,000 to 85,000 volts.

Where still finer control is desired, the FISCHER mobile, remote control stand is recommended. This stand provides finer kilovoltage control and is equipped with the FISCHER Electro-synchrotimer, measuring time in 1/10 second; maximum, 15 seconds.

### Features of STRUCTURE-OPERATION

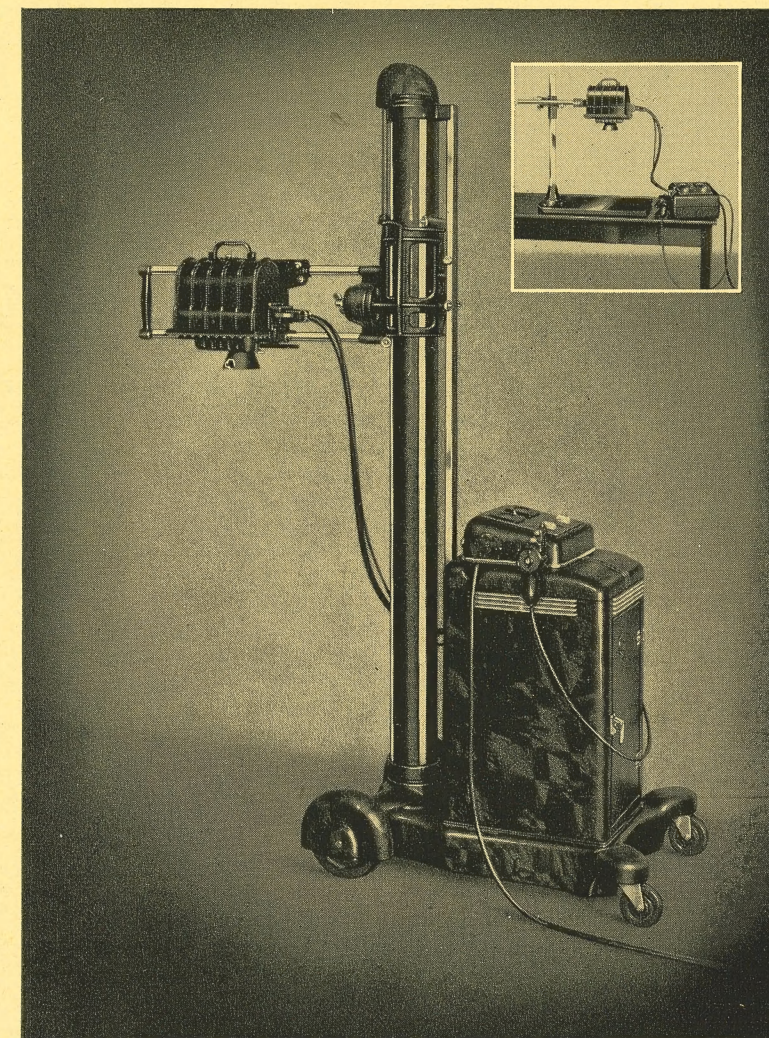
1. FISCHER Model "GF" is shockproof throughout. Tube and transformer immersed in oil.
2. Power available is up to 15 M.A. and up to 85 P.K.V. Output exact at any control setting.
3. The x-ray tube is of the durable, heavy-anode, fine focus type, giving exceptional definition in both radiography and fluoroscopy.
4. The screen is the Patterson Type "B", either size 10"x12" or 12"x16".
5. A choice of timers is available—a best quality hand timer or the FISCHER Electrosynchrotimer on remote control stand.
6. Standard finishes are black kristokrak or hammered gray. Special finishes at slight additional cost.



No.		Code
4610	FISCHER Model "GF" Shockproof Fluoroscopic and Radiographic Apparatus, including standard control mechanism, hand timer, foot switch, 10"x12" Patterson Type "B" screen, cone, with double casters and locks	TIKJS
4595	Set of 4 grooved rollers and 9 ft. double guide rails	TIJLP
4612	Same equipment as listed under No. 4610 but with 12"x16" screen in place of the 10"x12"	TIKKR
4614	FISCHER Model "GF" Shockproof Fluoroscopic and Radiographic Apparatus, same as No. 4610 except equipped with Remote Control Unit No. 4352A and Electrosynchrotimer in place of standard control mechanism and hand timer	TIKLP
4616	Same equipment as listed under No. 4614 but with 12"x16" screen in place of the 10"x12"	TIKMO

Ask for descriptive pamphlet Form 1933

## FISCHER MODEL "GM" Shockproof X-Ray Apparatus



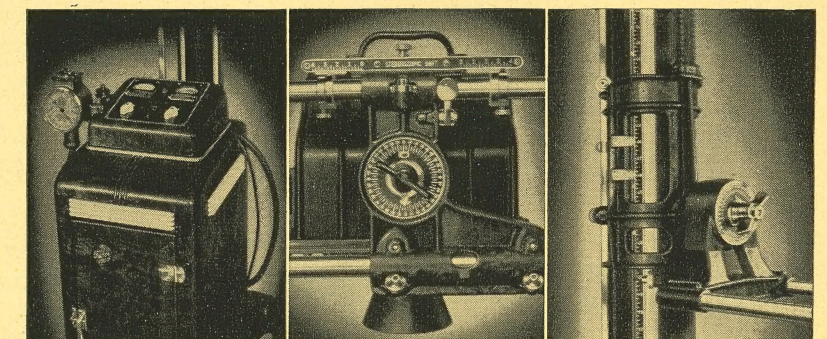
Available as mobile unit shown or as unit arranged to mount on set of grooved rails.

THIS FISCHER Model "GM" Shockproof X-Ray Apparatus is recommended to physicians, hospitals, clinics, either as an original installation or as a mobile unit supplementary to a large fixed installation. Designed primarily for radiography, fluoroscopy is also possible with hand or operating fluoroscope or suspended screen. A noteworthy feature is the fine portable radiographic unit made by removing tubehead and control box and using a tablestand (note inset). Power available is up to 15 M.A. and up to 85 P.K.V. Performance is excellent. At 10 M.A. and 45 P.K.V., with high speed screens, a wrist or elbow requires only 1 sec. At 15 M.A. and 65 P.K.V., a P.A. chest requires only 1/2 sec. Fluoroscopic results are equally satisfactory.

The small illustrations below show various features of construction—the control stand, the stereoscopic shift, the vertical scale. Every electrical and mechanical feature of proven value has been built into this apparatus. Following are listed the more important features of construction and operation.

### FEATURES

1. FISCHER Model "GM" is shockproof throughout. Construction is of the oil-immersed type.
2. The design permits complete flexibility of tubehead—tubehead can be lowered under table.
3. Control is very fine. Both milliamperage and kilovoltage are variable.
4. The latest-type, fine-focus tube is used—designed to give exceptional definition in both radiography and fluoroscopy.
5. The high voltage transformer provides stable operation at high efficiency under all load conditions.



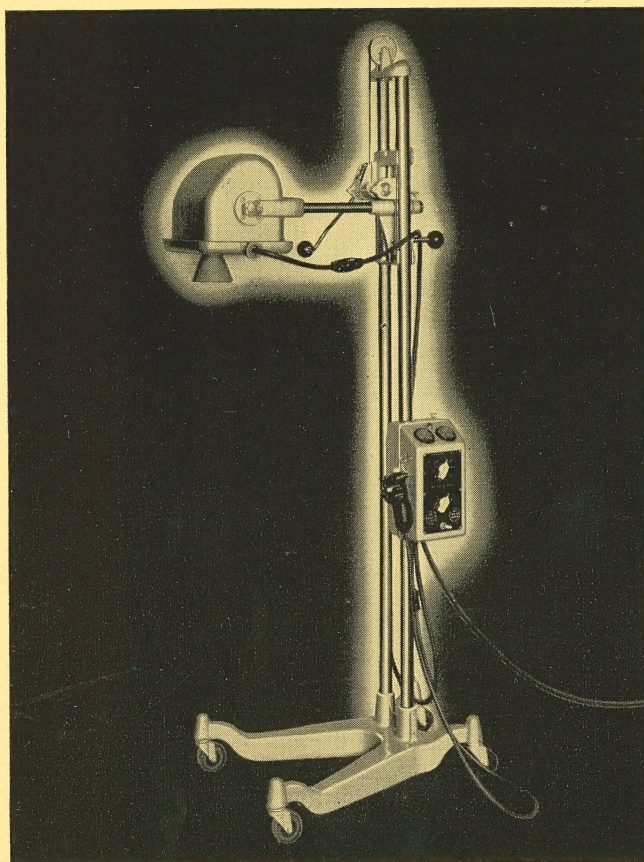
6. There is a double-compartment lead-lined cabinet for films.
7. Finishes are black kristokrak or hammered gray. Special finishes at slight extra cost.

No.		Code
4470A	FISCHER Model "GM" Mobile Shockproof X-Ray Apparatus, on casters with hand timer	TIEAZ
4471A	FISCHER Model "GM" Mobile Shockproof X-Ray Apparatus with hand timer and arranged to mount on set of 8' grooved rails	TIECX

FISCHER Synchrotimer furnished at small additional charge.

Ask for descriptive pamphlet, Form 1836A.





## FISCHER Model "GA-15" Shockproof X-Ray Apparatus

**T**HIS is an all-service unit, usable with table (wall frame or wall-mounted cassette holder) when desired. Both vertical and horizontal radiography are possible. Fluoroscopy is possible, using a hand or operating fluoroscope or suspended screen. Power is up to 15 M.A. and up to 85 P.K.V. Control is fine, both milliamperage and kilovoltage being variable. The tubehead is easily raised or lowered, or turned in any required direction. Tubehead readily lowers under table. The hand timer is best quality, measures time in one-fourth seconds, maximum 12 seconds. The x-ray tube is of the latest type and gives exceptional definition in both radiography and fluoroscopy. FISCHER Model "GA-15" is quality construction throughout and will give splendid performance. Standard finishes are black kristokrak or hammered gray with various metal parts in chromium.

No.		Code
4478B	FISCHER Model "GA-15" Mobile, Portable Shockproof X-Ray Apparatus (chrome plates) complete with control box, cone and hand timer....	TILPE

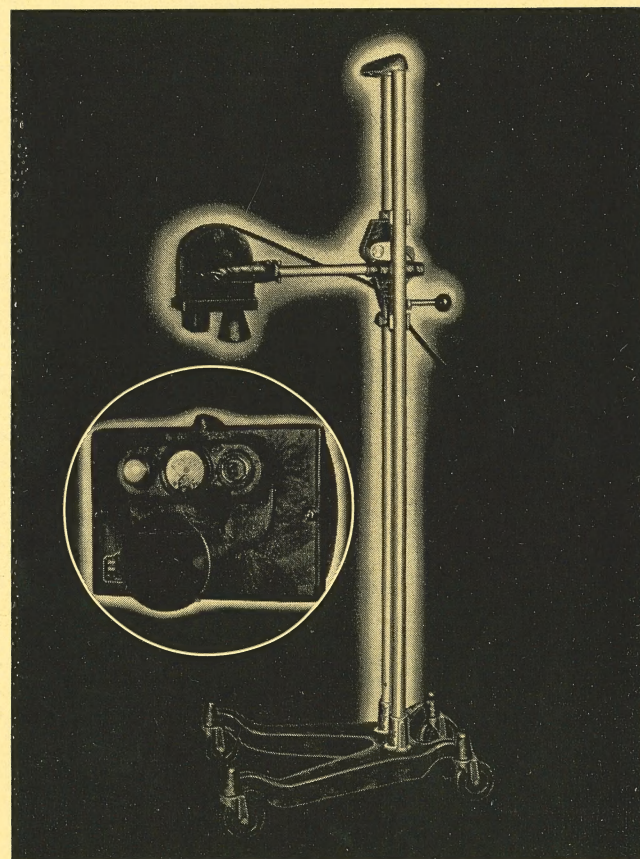
Ask for descriptive pamphlet Form 1866B

## FISCHER Model "HA-10" Shockproof X-Ray Apparatus

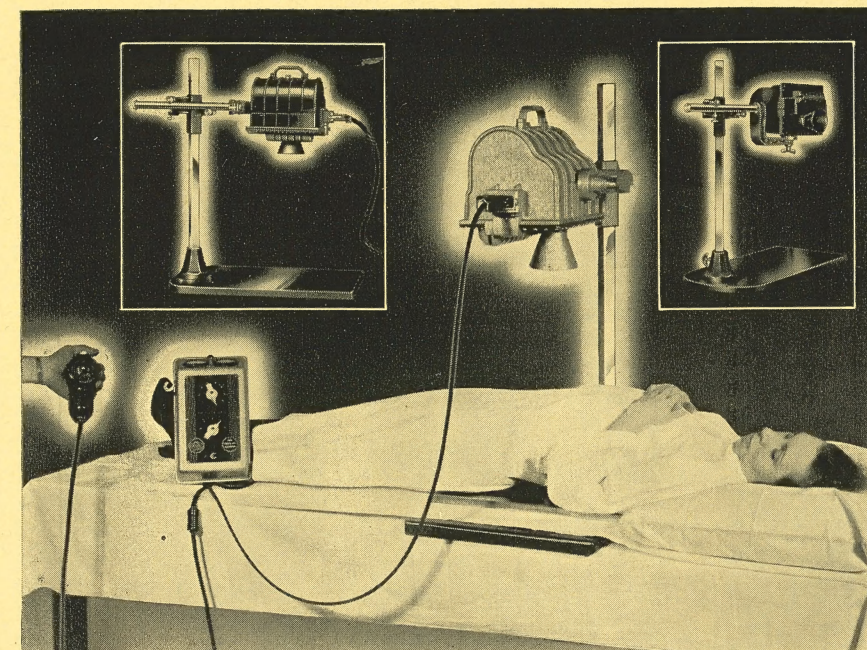
**F**ISCHER Model "HA-10" differs from FISCHER Model "GA-15" in two respects—power is less (10 M.A. at 67 P.K.V.) and the controls are set so that output is fixed. Milliamperage and kilovoltage are not variable. Special features to be mentioned are: This unit is shockproof throughout. It is both mobile and portable. May be used with or without table. Designed primarily for radiography, fluoroscopy is also available, using a hand or operating fluoroscope or suspended screen. The tubehead is completely flexible and may be readily placed in any required position, above or below table. The latest type x-ray tube is used, providing finest detail. The hand timer is best quality, measures time in one-fourth seconds, maximum, 12 seconds. FISCHER Model "HA-10" is quality construction. Standard finishes are black kristokrak or hammered gray. Various metal parts chromium.

No.		Code
4479A	FISCHER Model "HA-10" Mobile, Portable, Shockproof X-Ray Apparatus, including hand timer and cone.....	TIBUX

Ask for descriptive pamphlet Form 1909



## FISCHER Model "G" Portable X-Ray Apparatus

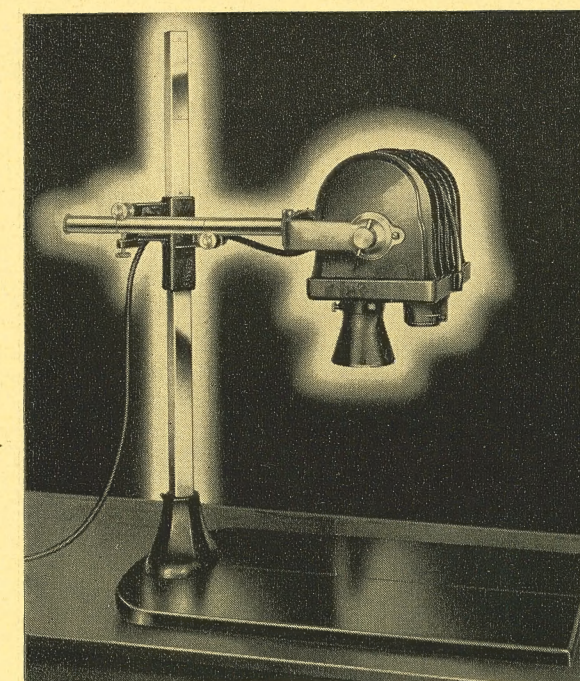


**T**HIS unit is available in the arrangement shown—including tubehead, table stand, control box and hand timer. It has been designed to provide a truly portable unit giving fine performance at low cost. The following features are worthy of note: The unit is shockproof throughout; power is up to 15 M.A. and up to 85 P.K.V.; both radiography and fluoroscopy are available; the latest-type, fine-focus tube gives exceptional definition. With the special control box, both milliamperage and kilovoltage are variable. The hand timer measures time in one-fourth seconds, maximum 12 seconds. Quality materials and construction are used throughout. Finishes are black kristokrak or hammered gray and chromium. Ivory finish at slight additional cost. When desired, this Model "G" may be had mounted on a special stand with four adjustable legs.

No.		Code
4482A	FISCHER Model "G" Portable Shockproof X-Ray Apparatus, including tubehead, table stand, control box and hand timer.....	TIEGS
4483A	Same as above except table stand replaced by special stand with four adjustable legs.....	TIEHR

Ask for descriptive pamphlet Form 1945

## FISCHER Model "H" Portable X-Ray Apparatus



**I**N designing FISCHER Model "H", the purpose has been to provide a portable unit to meet specific needs. This unit is available either with table stand mounting or with adjustable-legs mounting as shown. There is no remote control box. The following features are worthy of note: The unit is shockproof throughout; it is easily portable; flexibility is marked; power is up to 10 M.A. and up to 67 P.K.V. This output is fixed, that is, not variable. Operation is very simple and both radiography and fluoroscopy are available, the latter with hand

or operating fluoroscope or suspended screen. The tube gives exceptional definition. Construction throughout is highest quality. The finish is black kristokrak or hammered gray and chromium.

FISCHER portable x-ray apparatus is recommended also as a supplementary unit with a large fixed installation.

No.		Code
4408	FISCHER Model "H" Portable Shockproof X-Ray Apparatus, table stand mounting.....	TAEJK
4125	FISCHER Model "H" Portable Shockproof X-Ray Apparatus, adjustable leg mounting.....	TAMEB

Ask for descriptive pamphlet Form 1755C



## FISCHER Dental X-Ray Apparatus



### FISCHER Wall-Mounted Shockproof Dental X-Ray Unit

**A** HIGHEST-QUALITY apparatus, embodying every advanced feature of mechanical and electrical construction. Designed for wall-mounting only. Among outstanding features are the following:

1. This unit is absolutely shockproof throughout. No exposed wiring.
2. It is 100% flexible. All positions easily and instantly obtainable while patient remains seated in the dental chair.
3. Power is more than ample and radiographic results are excellent.
4. Control is very fine. Angles can be reproduced.
5. Construction is very compact. Only the finest materials are used. Tube and transformer housed in one-piece drawn steel tank.
6. Optional finish—ivory tan or mahogany.

No. 4485 FISCHER Wall-Mounted Shockproof Dental X-Ray Apparatus Code TIBRS

Ask for descriptive pamphlet Form 1869

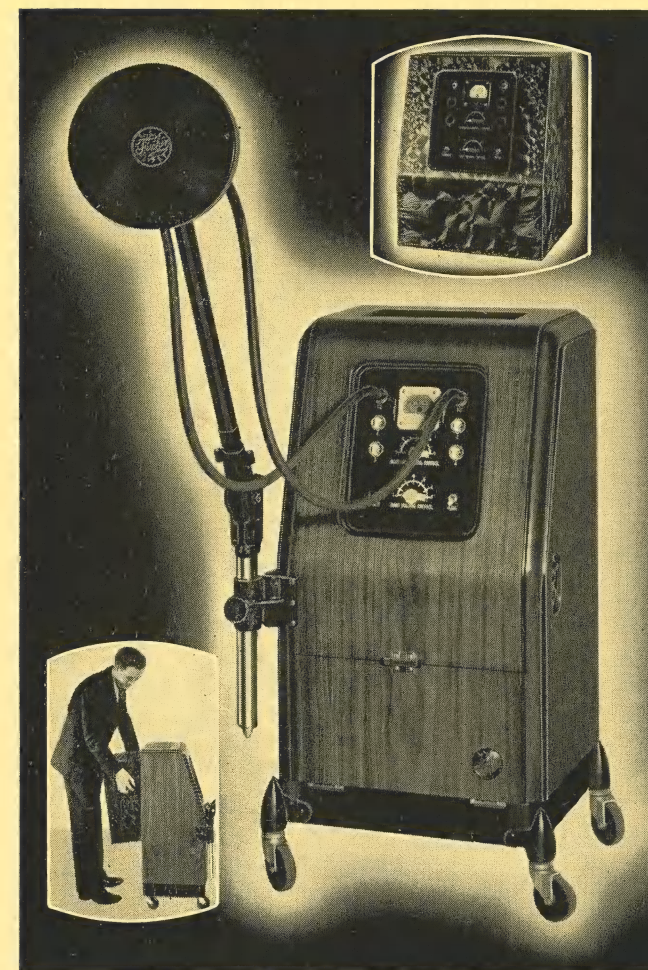
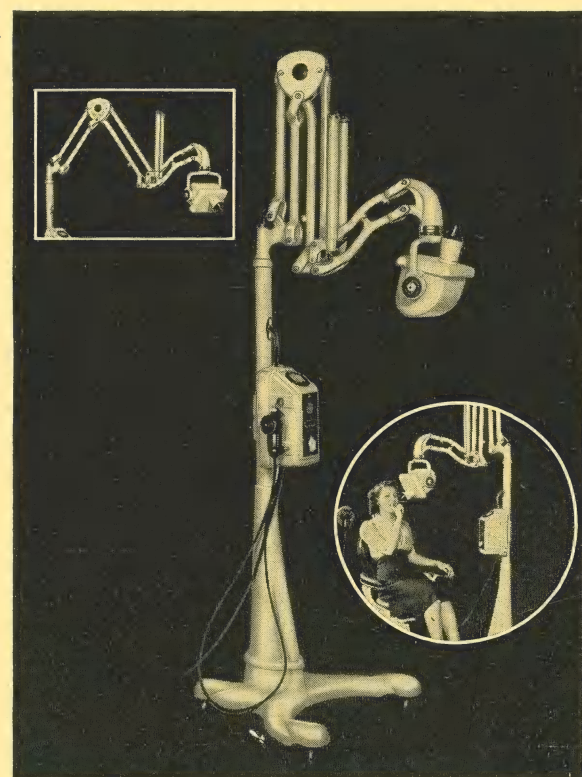
### FISCHER Mobile Shockproof Dental X-Ray Unit

**T**HIS apparatus differs from the FISCHER Wall-Mounted unit only in the method of mounting. Mobility is provided by free-rolling casters. The pedestal is sturdy and free of vibration. Features of structure-operation are the same as for the wall-mounted model.

1. This unit is absolutely shockproof throughout. No exposed wiring.
2. It is 100% flexible. All positions easily and instantly obtainable while patient remains seated in the dental chair.
3. Power is more than ample and radiographic results are excellent.
4. Control is very fine. Angles can be reproduced.
5. Construction is very compact. Only the finest materials are used. Tube and transformer housed in one-piece drawn steel tank.
6. Optional finish—ivory tan or mahogany.

No. 4488 FISCHER Mobile Shockproof Dental X-Ray Unit Code TIEPI

Ask for descriptive pamphlet Form 1889



## FISCHER Model "S" Short Wave Apparatus

Permits choice of 6-meter or 12-meter wave length. Available (1) with chassis mounted in portable case in cabinet; or (2) with chassis mounted directly in cabinet; or (3) portable section only may be purchased. Naturally the different arrangements have different catalog symbols.

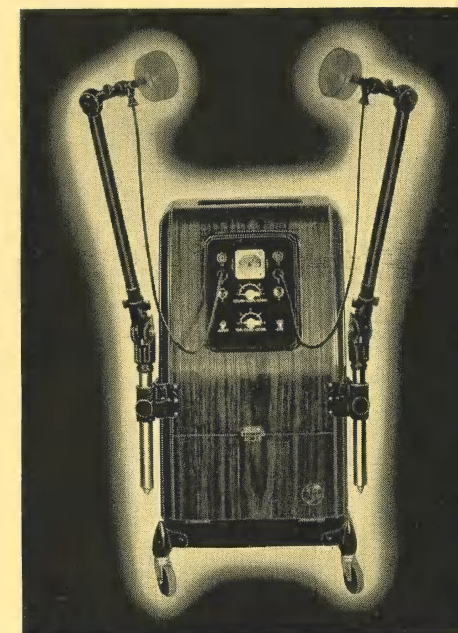
**F**ISCHER Model "S" Short Wave Apparatus is a four-tube unit. The tubes are exceptionally powerful and durable. The entire apparatus is constructed of the very finest materials. Flexibility is a marked feature—applications may be made with the inductance disc, which is regular equipment, or with the inductance cable or condenser cuff, pad or insulated orificial electrodes. Air-spaced electrodes are available as shown. Performance is backed by the usual strong FISCHER guarantee. Below is given a list of the outstanding features of structure-operation.

### Features of STRUCTURE-OPERATION

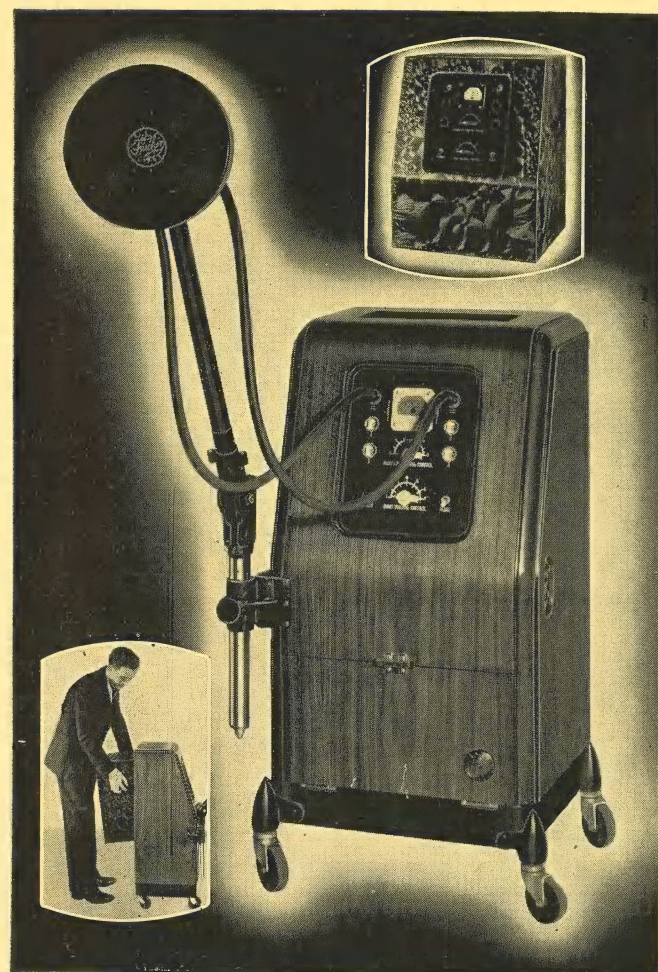
1. **POWER.** Whether the area to be heated is large or small, sinus or joint, or more inclusive body parts this unit will give superb results.
2. **TUBES.** FISCHER Model "S" is a four-tube unit. The tubes are of special heavy design and are exceptionally efficient. Performance is notably superior and the tubes are more durable.
3. **PATIENT'S OUTLETS.** There are six patient's outlets, four for condenser electrodes or air-spaced electrodes and two for the inductance disc or inductance cable. The three potentials afforded by the four condenser electrode outlets are a special feature in FISCHER models.
4. **CONTROLS.** The main volume control operates in connection with the auxiliary volume control. Control is fine, making it possible to apply power to the patient at any level from zero to maximum.
5. **DURABILITY.** FISCHER Model "S" is designed and constructed to give a lifetime of efficient service.
6. **ELECTROSURGICAL CURRENTS.** Such modern technics as electrocoagulation and electrosurgical tissue cutting are available. The various electrodes plug directly into patient's outlets.
7. **OPTIONAL FINISH.** FISCHER Model "S" is available in two-tone walnut or in plain ivory.

No.	Description	Code
4420	FISCHER Model "S"—12 meters—(chassis mounted in portable case in cabinet) complete with flexible arm and inductance disc, also 2 condenser pad electrodes (5½" x 8½")	TIALM
4422	FISCHER Model "SP"—12 meters—portable section only with inductance cable (including separator blocks) and 2 condenser pad electrodes (5½" x 8½")	TIANO
4520	FISCHER Model "S"—6 meters—(chassis mounted in portable case in cabinet) complete with flexible arm and inductance disc, also 2 condenser pad electrodes (5½" x 8½")	TIAOR
4522	FISCHER Model "SP"—6 meters—portable section only with inductance cable (including separator blocks) and 2 condenser pad electrodes (5½" x 8½")	TIAST
4516	FISCHER Model "SC"—12 meters—(chassis mounted directly in cabinet) complete with flexible arm, inductance disc and 2 condenser pad electrodes (5½" x 8½")	TIJVE
4518	FISCHER Model "SC"—6 meters—(chassis mounted directly in cabinet) complete with flexible arm, inductance disc and 2 condenser pad electrodes (5½" x 8½")	TIJTG

Ask for descriptive pamphlet Form 1863







## FISCHER Model "A" Short Wave Apparatus

Available (1) with chassis mounted in cabinet or (2) with chassis mounted in portable case in cabinet, or (3) portable section only may be purchased.

**F**ISCHER Model "A" Short Wave Apparatus is a single tube unit, designed to meet the varying needs of physicians, hospitals, clinics. Model "A" has the chassis mounted directly in the cabinet. When chassis is mounted in portable case in cabinet, this apparatus is catalogued as Model "PAC". The portable section only, that is, without cabinet, is catalogued as Model "PA". The inductance disc is regular equipment except with the portable section only (Model "PA") which prevents mounting. Applications may be made also with the inductance cable, condenser cuff, pad, and insulated orificial electrodes. Air-spaced electrodes can be supplied and attached as shown. Below is given a list of the more important features of structure-operation.

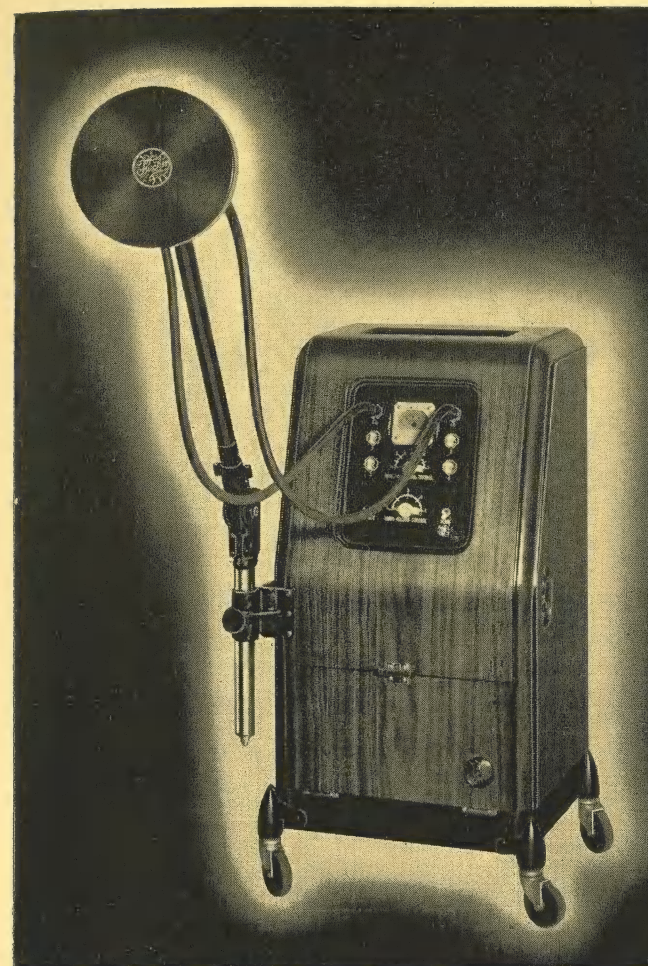
### Features of STRUCTURE-OPERATION

1. **POWER.** Whether the region to be heated be large or small, sinus, joint or more inclusive body part, this unit gives excellent results.
2. **WAVE LENGTH.** FISCHER Model "A", also Models "PA" and "PAC", have a wave length of 12 meters.
3. **TUBE.** Unusually efficient. Has extreme ruggedness and ability to stand up under tremendous service.
4. **PATIENT'S OUTLETS.** There are six patient's outlets, four for condenser electrodes or air-spaced electrodes and two for the inductance disc or inductance cable. The three potentials afforded by the four condenser electrode outlets are a special feature.
5. **CONTROLS.** The main volume control operates in connection with the auxiliary volume control. It is possible to apply power to the patient at any level up to maximum.
6. **FLEXIBILITY OF APPLICATION.** Not only all types of applications but applications with all types of electrodes are possible with Models "A" and "PAC". Model "PA" does not permit use of universally flexible arm or applications with inductance disc or air-spaced electrodes.
7. **ELECTROSURGICAL CURRENTS.** Such modern technics as electrocoagulation and electrosurgical tissue cutting are available.
8. **VENTILATION.** This is provided at top of cabinet and at back. Ample ventilation is necessary, when a unit operates for long periods, to prevent tube from overheating.
9. **ADVANCED CONSTRUCTION.** Only the finest materials are used. Construction is of the chassis type. Large storage space.
10. **FINISH.** Cabinet is two tone walnut. Metal parts are chromium plated. The portable section is in black kristokrack.

No.		Code
4660	FISCHER Model "A" (chassis mounted directly in cabinet)—complete with flexible arm, inductance disc and 2—5½" x 8½" electrodes.....	TIJMO
4652	FISCHER Model "PAC" (chassis mounted in portable case in cabinet) complete with flexible arm, inductance disc and 2—5½" x 8½" electrodes.....	TIJYB
4653	FISCHER Model "PA" (portable section only) complete with inductance cable and 2—5½" x 8½" electrodes.....	TIJRK

Ask for descriptive pamphlet Form 1926

## FISCHER Model "B" Ultra Short Wave Unit



This is a two-tube apparatus giving highly efficient performance. The chassis is mounted directly in the cabinet.

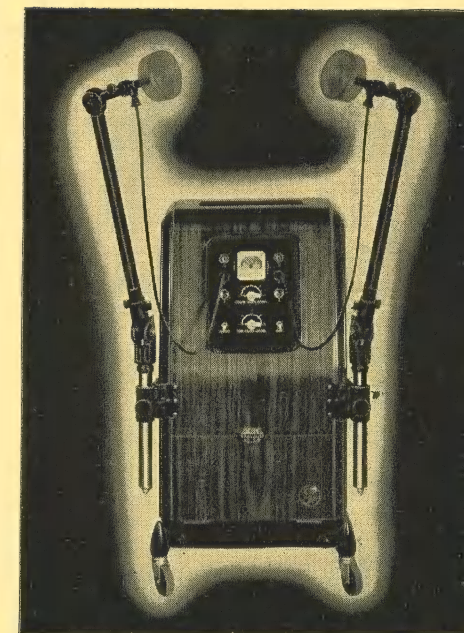
**F**ISCHER Model "B" Ultra Short Wave Unit is distinguished by two features: (1) it is an all-service apparatus producing excellent results; (2) it is remarkably low in price. This unit will provide every service needed in short wave diathermy. Applications may be made with the inductance disc, which is regular equipment, or with the inductance cable or condenser cuff, pad or insulated orificial electrodes. Air-spaced electrodes can be supplied and attached as shown. Only the finest materials are used in construction. Performance is backed by the usual strong FISCHER guarantee. Below is given a list of the more important features of structure-operation.

### Features of STRUCTURE-OPERATION

1. **POWER.** Whether the region to be heated be large or small, sinus, joint or more inclusive body part, power is ample.
2. **TUBES.** Two tubes of special design are used in FISCHER Model "B". There is low loss of energy and accordingly highly efficient performance.
3. **PATIENT'S OUTLETS.** There are six patient's outlets, four for condenser electrodes and two for the inductance disc or inductance cable. The three potentials afforded by the four condenser electrode outlets are a special feature. Outlets for the inductance cable are larger and prevent cable being plugged into wrong outlets.
4. **CONTROLS.** The main volume control operates in connection with the auxiliary volume control. It is possible to apply power to the patient at any level up to maximum.
5. **ELECTROSURGICAL CURRENTS.** Such modern technics as electrocoagulation and electrosurgical tissue cutting are available.
6. **VENTILATION.** This is provided at top of cabinet and at back. Ample ventilation is necessary, when a unit operates for long periods, to prevent tubes from overheating.
7. **FINISH.** Cabinet is two-tone walnut. It has a beautiful hand-rubbed finish. Metal parts are chromium plated.

No.		Code
4665	FISCHER Model "B" including inductance disc and universally flexible arm, also two 5½" x 8½" pad electrodes.....	TIKON
4664	FISCHER Model "B" less accessories, that is, without inductance disc, flexible arm and the two pad electrodes.....	TIKPL
4434	Extra Supporting Arm, should two arms be desired for air-spaced electrodes.....	TEBAC
4444	Single Air-Spaced Electrode—consisting of electrode body, 4" disc, 2" disc and connecting cord.....	TECAA

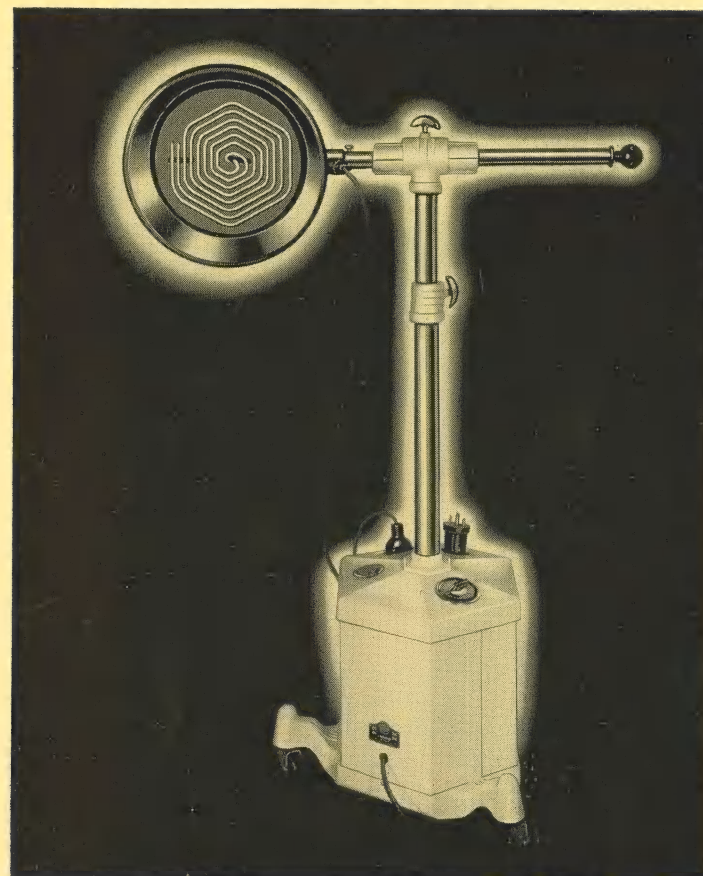
Ask for descriptive pamphlet Form 1928





## FISCHER Model "CK" Ultra Violet Generator

### FISCHER Model "K" Ultra Violet Generator



FISCHER Ultra Violet Generators are made in two models—FISCHER Model "CK" and FISCHER Model "K". In FISCHER Model "CK", the grid burner has two parallel burner tubes, one of pure quartz and one of corex. A three-way switch permits operation of either the quartz or the corex burner separately, or both may be operated together. In FISCHER Model "K", there is only one burner tube of pure quartz. Other parts of the apparatus are identical.

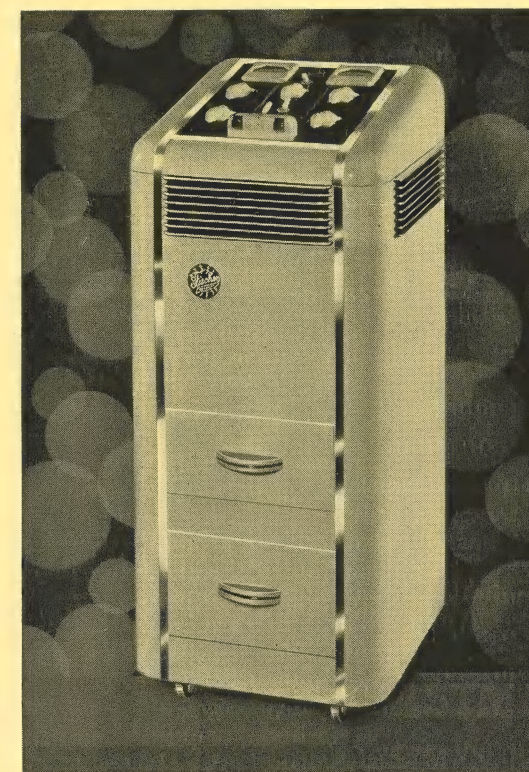
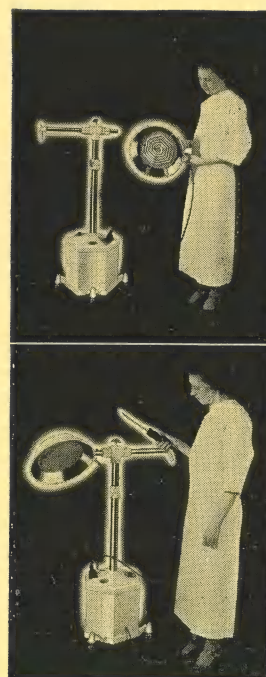
FISCHER Ultra Violet Generators are compact, attractive, mobile—mounted on free-rolling casters. Note low transformer giving great stability. The reflector is highly polished, backed by moulded bakelite. The cross-arm is instantly adjustable. The upright may be extended to 60". A spring in the upright prevents cross-arm and reflector from jar and possible damage, should it be accidentally released or dropped during adjustment. There is an automatic timer in the transformer housing, also plus-lined pocket for holding and protecting orificial burner. The design of the grid-burner reflector assures even distribution of the ultra-violet rays over body surfaces. Naturally output is instant—there is no waiting before application can be made—an important saving of time.

#### Features of STRUCTURE-OPERATION

1. FISCHER Ultra Violet Generators embody every modern and approved feature of design, efficiently meeting every need for both surface and orificial application.
2. The energy output is more than sufficient for all application needs. Output also remains constant—does not diminish with use of the burners.
3. The quartz burner produces rays ranging from 1849 to 3,900 AU, with greatest intensity of output around 2,550 AU. Radiation from the corex tube or burner differs only in that some of the shorter rays are cut off, greatest intensity of output being around 3,200 AU.
4. FISCHER Ultra Violet Generators afford complete ultra violet therapy. There are two burners, the grid-type for skin or surface applications and the orificial burner for orificial applications.
5. Patient and operator are singularly safe. There is no possibility of electric shock nor danger from hot mercury should a burner become accidentally broken.
6. An outstanding advantage is the saving of time in making applications. Treatment can begin the instant the electric current is turned on. The ample output effects shortened treatment periods.
7. Finish is optional—black or hammered gray. Ivory also available. Various metal parts in chromium.

No.		Code
4368	FISCHER Model "CK" UltraViolet Generator including grid and orificial burners, also one pair of goggles.....	TIRDA
4370A	FISCHER Model "K" UltraViolet Generator including grid and orificial burners, also one pair of goggles.....	TATXX

Ask for descriptive pamphlet Form 1952



## FISCHER Model "J" Galvanic and Contractile Currents Generator

A GALVANIC and contractile currents generator is one of the most widely indicated and most frequently useful units of electrotherapeutic apparatus. This FISCHER Model "J" Generator meets every need and is recommended both by finest performance and remarkably low price.

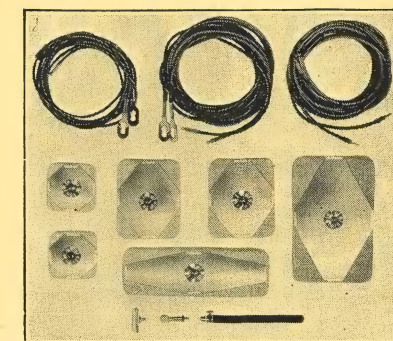
FISCHER Model "J" Galvanic and Contractile Currents Generator produces all the low voltage currents approved by authorities. The galvanic current is straight line and all contractile currents exact as to wave form—they will remain exact as long as the apparatus is used—due to the heavy, patented flat commutator. Control is exceptionally fine, incomparably in advance of control in former units. Currents wanted are selected by simply turning the two current selector switches to the proper numbers. Whether used for medical galvanism, common ion transfer, or surgical galvanism, this generator will give wholly satisfactory performance.

#### ACCESSORIES

View above shows new FISCHER Model "J" Galvanic and Contractile Currents Generator. View right shows accessories included with generator—connecting cords, electrodes and handle. Among special features to be emphasized are the following: The current chart on the control panel, giving keys to currents wanted, the quick-reading meters, the slip-proof patient's outlets, the silent operation of the unit. Construction is in every way highest quality. The cabinet is all-steel. A choice of finishes is offered—black Kristokrak, hammered gray, or ivory.

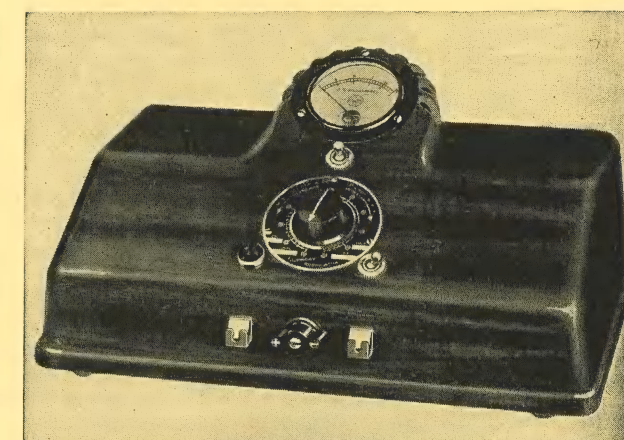
No.		Code
4301	FISCHER Model "J" Galvanic and Contractile Currents Generator with Connecting Cord and Accessories as listed above .....	TATAB

Ask for descriptive pamphlet Form 1836A



## FISCHER Galvanic Current Generator

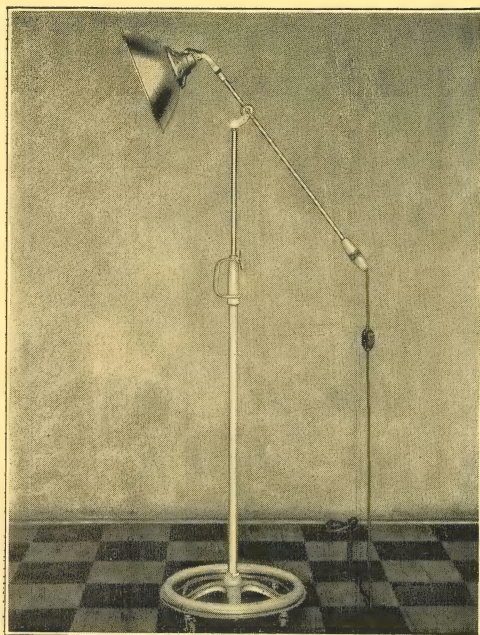
THE extreme importance of the galvanic current in the practice of modern medicine is recognized by the majority of physicians of today, in gynecology, urology, etc., for depilatory work, ionization, rectal lesions, electrolysis, strictures, etc. The outstanding features of this unit are: perfect smoothness of the current; a galvanic output comparable to that of a battery source absolutely without fluctuation; noiseless operation; a polarity switch for pole-changing; a pilot light; black kristokrak finish. The current volume is controlled down to 1/25th part of a milliamper. This means that with this apparatus you can employ galvanism for all of its varied uses without any jerky or painful sensations, a value which will be apparent at once to the physician.



No.		Code
2552	Improved Galvanic Current Generator only (A. C.).....	ZITWY
2553	Special Stand for No. 2552.....	GALZE

Ask for descriptive pamphlet Form 1299F.

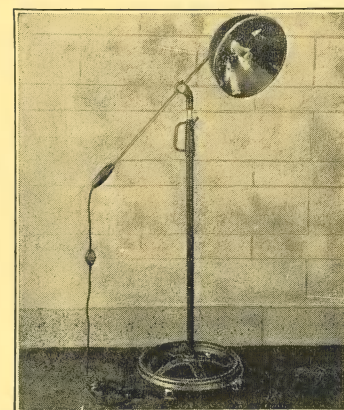
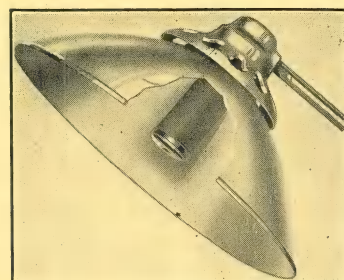




## FISCHER Infra-Red Generators

**M**ADE in two styles—regular model as shown in large illustration and model with faceted reflector (lower right). Base and standard are the same in both models. The stand is adjustable, also arm carrying reflector. Reflector may be raised to over 6 ft. from floor or lowered to within 2 ft. of floor. Diameter of reflector, 11 inches. Weight of reflector is accurately counterbalanced. Base mounted on free-rolling casters.

The heating element used in this generator is durable, will not flake. The deep, penetrating infra-red rays are produced, rather than visible rays. May be had in either 200 or 400 watt sizes. Unscrews for replacing.



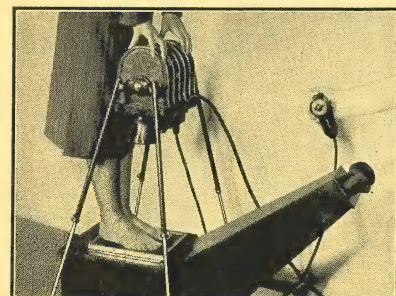
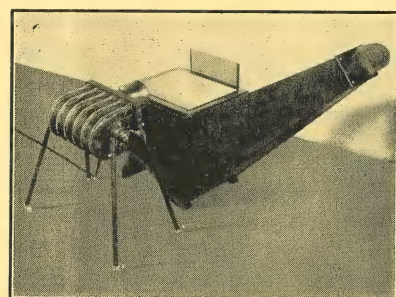
At top: View of heating element. At bottom: Generator with faceted reflector.

FISCHER Infra-red Generator includes connecting cord for electrical outlet. Switch in cord. Note adjustable upright. Reflector mounting also adjustable, permitting operator to direct rays at will. Convenient handle for moving or carrying. Reflector, polished aluminum.

No.		Code
2281	FISCHER Infra-red Generator—Regular Reflector—400 watt element.....	NEWRE
4039	FISCHER Infra-red Generator—Faceted Reflector—200 watt element.....	TAFFA
4040	FISCHER Infra-red Generator—Faceted Reflector—400 watt element.....	TAGAB
2282	400 watt Infra-red Element.....	ELRED
2284	200 watt Infra-red Element.....	ZECUX

Ask for descriptive folder Form 1733A

## FISCHER Chiropodist's Fluoroscope

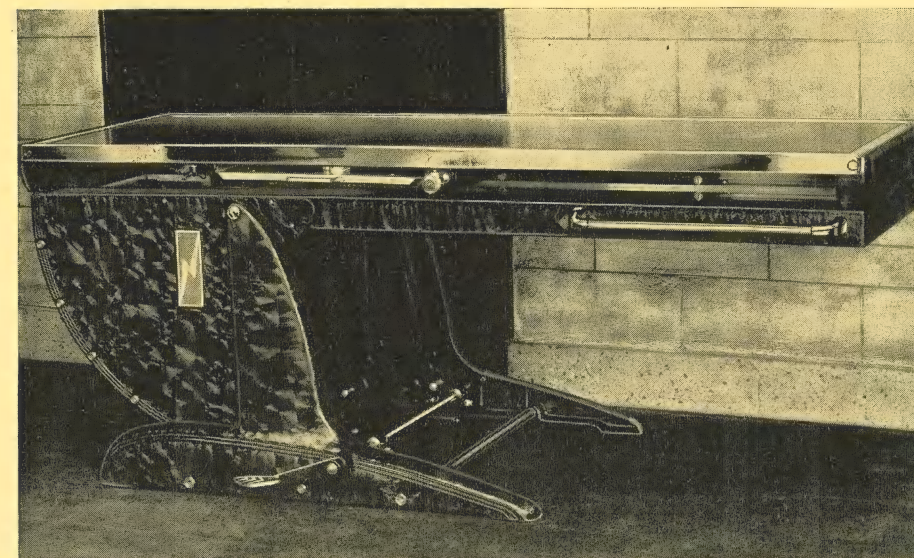


The diagnostic value of radiography and fluoroscopy in chiropody needs no comment. Leaders in the profession, who have had extensive experience with the x-ray, not only emphasize its great help in locating and identifying the causes of orthopedic difficulties, but have invariably found that patients are pleased with x-ray service. X-ray facilities, say these leaders, result not only in better service to patients, but also in increased business and income for the chiropodist himself. The illustrations herewith show the FISCHER Chiropodist's Fluoroscope in use with FISCHER Model "H" Shockproof X-Ray Apparatus. This combination makes it possible for the chiropodist to avail himself of both radiography and fluoroscopy. Advantages are—x-rays reveal exostoses, bone tumors, fractures, dislocations, subluxations, march foot, stages of ossification, anomalies. Pathological conditions are revealed, such as arthritis, calcareous deposition, infiltration, ankyloses, osteoporoses, decalcifications, sequestrums, necroses, purulent pockets, abscesses. Diagnoses can be proved. Feet can be studied in shoes and foot appliances better fitted.

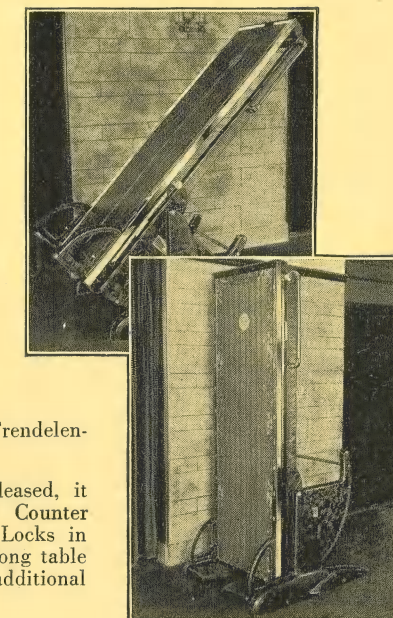
No.		Code
4341	FISCHER Chiropodist's Fluoroscope with Patterson "B" Screen .....	TATWA

Ask for descriptive pamphlet Form 1790

## FISCHER Radiographic and Fluoroscopic Tilt Table



**D**ESIGNED for use in both radiography and fluoroscopy. Construction is exceptionally rigid, the various parts being solid and massive. Weight is approximately 500 lbs. The adjusting pins are of steel, heavy

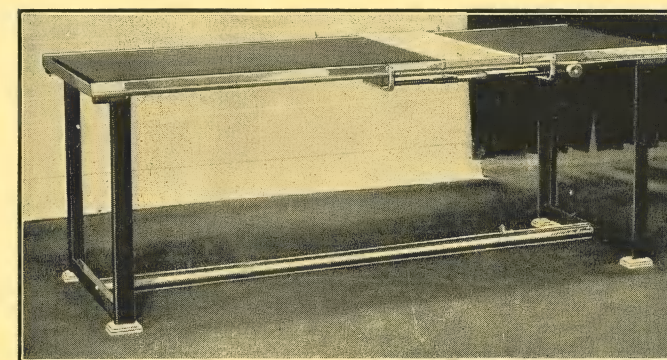


and unbreakable. Positions or angles of the table may be varied from 15° below horizontal (Trendelenberg position) to exactly upright. Rigid stops are provided at every 15° of arc.

A touch moves the table up or down as desired. Should, by accident, the table be released, it would not fall, will not of itself drop all the way to the lowest position without a slight push. Counterbalancing is exact regardless of position of the Bucky. Bucky also counterbalanced exactly. Locks in any position. A movable seat or shoulder rest is provided, which can be set in any position along table top. The finish is black kristokrak or made to match the finish on x-ray apparatus at small additional cost. Metal parts are in chromium.

No.		Code
4035	FISCHER Radiographic and Fluoroscopic Tilt Table, including No. 4045.....	TABBA
4036A	Same as No. 4035 but with 17" Synchronimed Bucky .....	TAOII
4045	Shoulder Rest and Seat for Tilt Table, No. 4035 .....	TABAB
4034	Same as No. 4036A but with 36" Bucky.....	TAKML
4050C	FISCHER Tilt Table Roller Attachment to fit Tilt Table to New Sectional Flat Track.....	TEBLK

## FISCHER Roentgenographic Table (with or without Bucky)



Illustrations showing this FISCHER Roentgenographic Table as integral parts of the various Models of FISCHER x-ray apparatus—will be found by turning to the preceding pages giving descriptions of respective units.

Designed for use with and will give excellent service with almost any make of x-ray. The same table in materials and construction as used with FISCHER X-Ray Apparatus. All steel frame—angle iron, stoutly reinforced. Masonite top. Length 78 inches. Width 28 inches. Height 28 inches. Metal parts are finished in chromium. Other metal parts in black enamel. FISCHER-Bucky diaphragm is underslung, carried on steel runners mounted with ball bearing rollers. Adjustable heavy muslin band arranged for rendering immobile part to be radiographed. Obtainable with or without Bucky diaphragm.

No.		Code
3532	FISCHER Roentgenographic Table (without Bucky diaphragm) OIKOI	
3534	FISCHER Roentgenographic Table with No. A4059 Bucky diaphragm, for use with "DS-60" Outfit .....	OCTAD
3535	FISCHER Roentgenographic Table with No. A4061 Bucky diaphragm, for use with "DSP-20" and "SP-60" Outfits.....	ODSPO

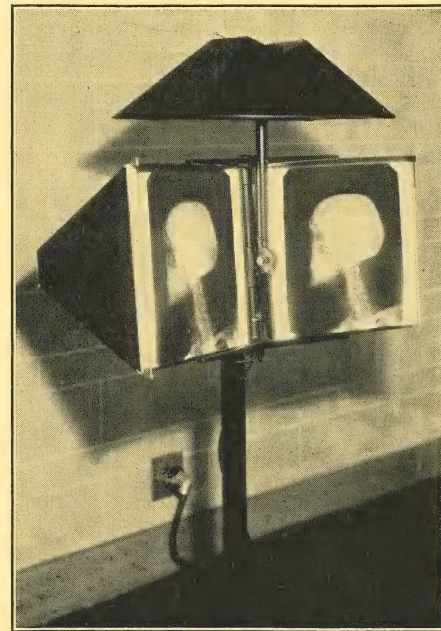
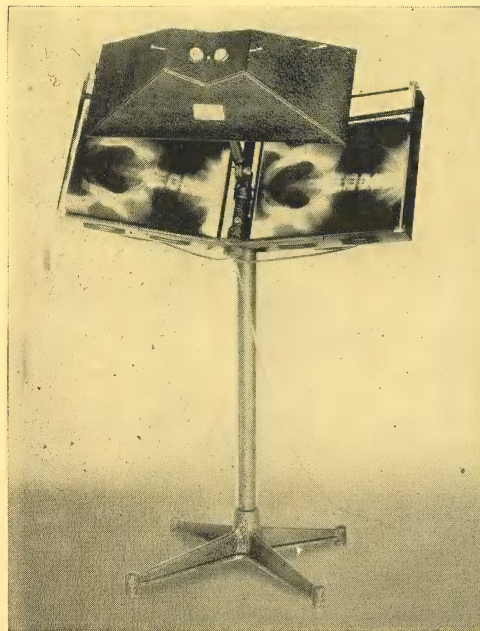
## Sectional Rails for FISCHER X-Ray Apparatus

FISCHER sectional rails, both guide and flat, are furnished in standard 2 ft. and 3 ft. lengths, permitting purchase of any desired length in one foot additions. The price of guide and flat rails together is \$1.40 per foot. After figuring number of feet, add 30c for guide rail stops.

No.		Code
4096-8	Set of parts of both guide and flat rails to complete 8 ft. installation .....	TECGF
4096-14	Set of parts of both guide and flat rails to complete 14 ft. installation.....	TIPLM



## STANFORD Stereoscopes — Pedestal, Desk and Consultation Table Models

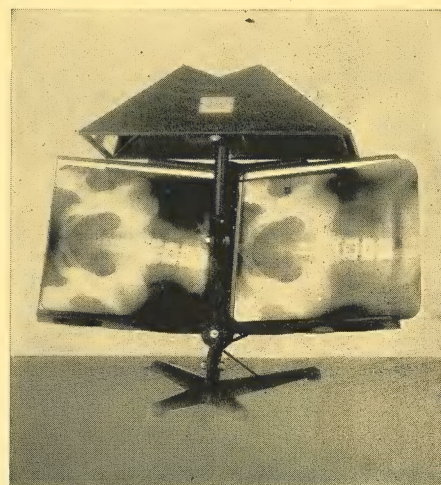


### Pedestal Model

Designed to serve both as a view box and as a stereoscope. When used as a view box, a stereoscopic arrangement lifts out of way. As a stereoscope, this model superimposes the films which are seen clearly in three dimensions. Perfect factory alignment insures users against the annoyance of adjusting mirrors and eye-strain. Viewing surfaces are 17-9/16" x 17-9/16". Only the best materials are used in the construction of this unit. The adjoining illustrations show this model used as view box and as stereoscope.

### Desk Model

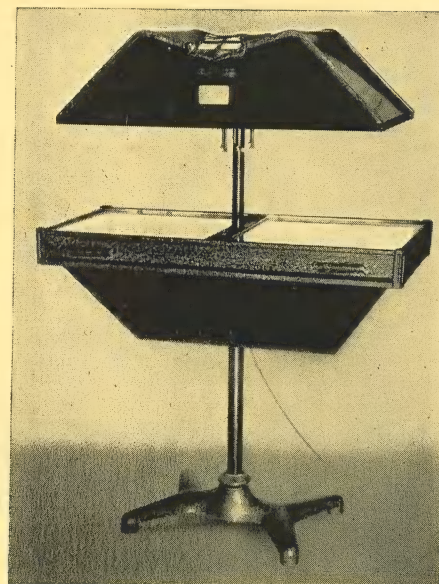
This model serves exactly the same purposes as the Stanford Pedestal Model. It is "Junior" in size, designed to be placed on desk or table. The viewing surfaces are 14-9/16 inches square, mounted for convenience, either sitting or standing. The adjustable spring rollers fit any size of film to maximum. Construction is highest quality. Unit is very compact. Equipped with two 150-watt, 120-volt high intensity daylight lamps. Note illustrations.



### Consultation Table Stereoscope

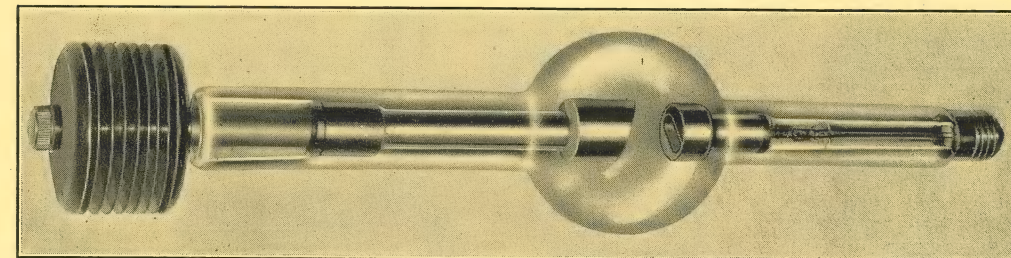
This unit, as shown, provides for two observers simultaneously, as is necessary in large, consulting practices. Has horizontal viewing surface, cooled by thermo-siphon. Mirrors enclosed to prevent dust reaching them. Recommended as the very best in this type of stereoscope.

Obviously, the maximum diagnostic value of a radiograph appears only when the proper illuminating device is used. Any good illuminator that produces evenly diffused blue-white light will give a single radiograph a much more brilliant appearance, definitely enhancing the black and white contrasting properties of the radiograph and thus aiding diagnosis. STANFORD Stereoscopes are available with either incandescent or fluorescent lighting. Standard fluorescent equipment operates only on A.C. For D.C. there is a small extra charge.

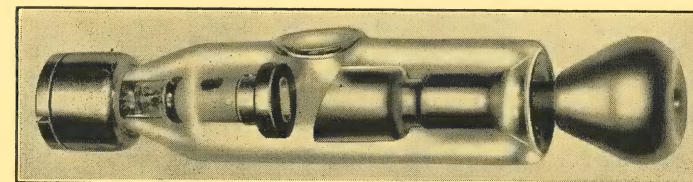


No.	Code
3710 Stanford Pedestal Stereoscope, connecting cable, two 150-watt daylight lamps.....	HIPPE
3711 Stanford Desk Model Stereoscope, connecting cable, two 150-watt daylight lamps.....	TAMNA
3712 Stanford Consultation Table Stereoscope, connecting cable, two 150-watt daylight lamps.....	TAMAN
3713 Same as No. 3710 but with fluorescent lighting.....	TIROM

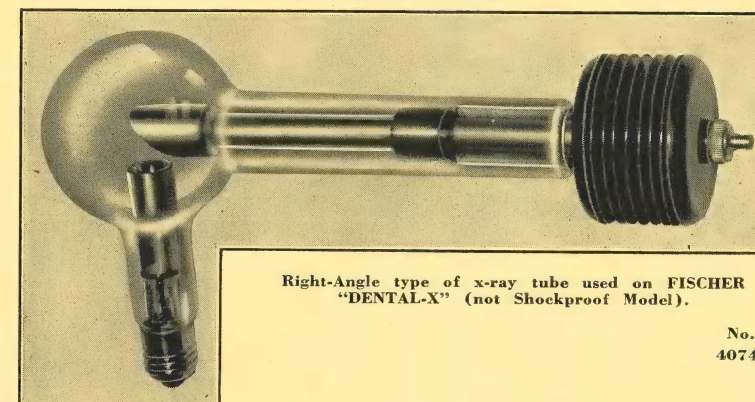
## FISCHER Line-Focus Hot Cathode X-Ray Tubes



Type of x-ray tube used on 60 M.A. and 100 M.A. FISCHER Apparatus.



Type of x-ray tube used on FISCHER "DSP-20" and SHOCKPROOF "DENTAL-X".



Right-Angle type of x-ray tube used on FISCHER "DENTAL-X" (not Shockproof Model).

FISCHER line-focus x-ray tubes offer the distinct advantage that greater energies may be used on the focus (designed for sharp definition) than can be used on a round focus of equal projected area. The tungsten target is cast-welded to an unusually large volume of

pure copper, making an anode of great heat storage capacity. An efficient radiator is closely fitted to the anode shank and provides rapid radiation of heat from the anode, fitting these tubes for serial radiography. Special glass of low filtration value, tested free of strain flaws, is used for the bulb and stems of the tubes and all seals of metal to glass are carefully made to provide strength and freedom from leakage. The metal terminals are degassed before they are built into the tube and the final exhaust is performed with care and checked by gauges that insure tubes free from every trace of gas.

FISCHER tubes operate silently and accept heavy loads with no evidence of tube distress. They operate with a stability and a constancy of x-ray output that has never been excelled. Due to excellence of design, careful construction and low overhead costs, quality tubes are offered and priced below competition.

No.	CODE
4074 "Radiographic-Fluoroscopic Bi-Focal Tube". 2 MM and 3.5 MM focal spots, 100,000 heat unit capacity—provides by use of the two focal spots, excellent definition in both bone and soft tissue radiography—for use with FISCHER 60 M.A. x-ray units.....	TAMOP
4075 "Radiographic-Fluoroscopic Bi-Focal Tube". 2 MM and 4.8 MM focal spots, 100,000 heat unit capacity—combines excellent bone definition with speed radiography of the heart, lungs, etc.—may be used with FISCHER "100-100" and 60 M.A. x-ray units.....	TAIOM
4077-Q "DENTAL-X" Tube—SAME AS NO. 2917.....	TAMSA
4078 "Radiographic-Fluoroscopic Bi-Focal Tube". 2 MM and 3.5 MM focal spots, 200,000 heat unit capacity—same tube as No. 4074 except that it has twice the heat unit capacity of No. 4074 and should be used in laboratories that will have an exceptional amount of radiographic and fluoroscopic work.....	TAOMM
4079 "Radiographic-Fluoroscopic Bi-Focal Tube". 2 MM and 4.8 MM focal spots, 200,000 heat unit capacity—same tube as No. 4075 except that it has twice the heat unit capacity of the No. 4075 and should replace the No. 4075 where the laboratory will have an unusual amount of radiography and fluoroscopy.....	TAOMO
4128 "Radiographic Tube". 2 MM focal spot used in our Model "H" x-ray and should be ordered as a replacement for this unit.....	TAMYX
4129 "Radiographic-Fluoroscopic Tube". 2 MM focal spot—used in our Model "G" x-ray unit and should be ordered as a replacement for this unit.....	TATHI
4607 Radiographic-Fluoroscopic Tube with double focal spots, 1.5 MM and 4.8 MM. (Type 4-12 SP-1K) mounted in special Fischer oil immersed head with 9½ ft. shockproof cables. 350,000 heat unit capacity—as used with Fischer Catalog No. 4600 Model "100" Shockproof X-ray Apparatus and Fischer Catalog No. 4604 Model "100-96" Shockproof X-ray Apparatus.....	TIOBS
2917 Right Angle "DENTAL-X" Tube (non-shockproof), 1.5 MM focal spot, 70,000 heat unit capacity—offers exceptionally fine definition in dental radiography.....	HOTRI
2921 "Radiographic-Fluoroscopic Tube". 2 MM focal spot, 100,000 heat unit capacity—combines excellent definition and radiographic speed—usable with all FISCHER 60 M.A. x-ray units.....	OAKIE
2922 "Radiographic-Fluoroscopic Tube". 3.5 MM focal spot, 100,000 heat unit capacity—permits the heavier loads required in speed radiography of the heart, lungs, etc. Usable with all FISCHER 60 M.A. x-ray units.....	OAKUM
2923 "Radiographic-Fluoroscopic Tube". 4.8 MM focal spot, 100,000 heat unit capacity—especially suited for long focal-film distances as encountered in radiography of the heart, lungs, 14"x36" postural films, etc.—usable with all FISCHER 60 M.A. x-ray units.....	OARIA
3660 "Radiographic-Fluoroscopic Tube". 2 MM focal spot, 70,000 heat unit capacity—combines both excellent definition and speed, especially in bone radiography—may be used with "DSP-20" or "SP-DX" x-ray units.....	TREPA
3661 "Radiographic-Fluoroscopic Tube". 2.8 MM focal spot, 70,000 heat unit capacity—answers the need of the average physician doing general radiography and should be ordered with the "DSP-20" when a large amount of fluoroscopy will be in prospect.....	YAADE
3863 "Fluoroscopic Tube". 2 MM focal spot, 100,000 heat unit capacity—offers excellent fluoroscopic definition and was furnished with No. 3860 Fluoroscopic.....	YAGGO
3930 "Radiographic Tube". 1.5 MM focal spot, 70,000 heat unit capacity—offers excellent definition in bone and dental radiography and may be used with either "DSP-20" or "SP-DX" units.....	SACSS



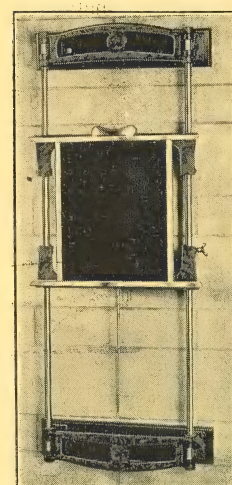


## FISCHER Vertical Wall Frames (with Bucky Diaphragm)

A special frame with or without Bucky to be used with any x-ray apparatus for making radiographs of any part of the body, with the patient in the vertical position. The flat type Bucky diaphragm used with this frame will accommodate any size film, either in plain holder or in cassette with intensifying screens, up to and including 14" x 17"—a 36" Bucky available if desired. Bucky may be lowered nearly to floor or may be raised to the height of the tallest patient. May be instantly clamped in any desired position. This accessory will prove particularly valuable in x-raying the chest or spine. Radiographs of the stomach and colon must often be made in the vertical position. This position must also be used to show the lateral seventh cervical vertebra. Frame is made of steel, chromium plated. Panel is of masonite. Adjustable head supports, as shown in the small illustration, will be found listed on page 28.



No.		Code
3528	Vertical wall frame for No. A4061 (17") Bucky.....	TARTT
3529	Vertical wall frame for No. A4063 (36") Bucky.....	TARVW
3530	Vertical wall frame with No. A4061 (17") Bucky.....	TARWX
3531	Vertical wall frame with No. A4063 (36") Bucky.....	TARXY



## FISCHER Wall-Mounted Cassette Holder

EQUIPPED with removable panel, permitting change of cassette without disturbing patient. Can be adjusted for height and for size of cassette. Accommodates cassettes up to 14" x 17". A feature is the special chin rest. Finish is black kristokrak and chromium. Mounting boards are available.



No.		Code
4130	FISCHER Wall-Mounted Cassette Holder.....	TAOED
4131	Mounting Boards for above No. 4130.....	TAOPP

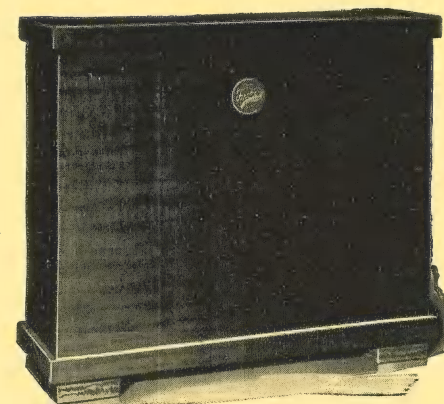
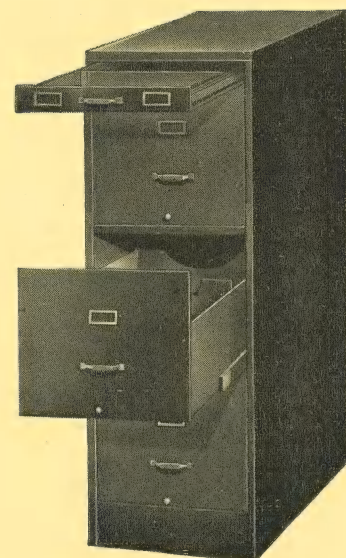
## FISCHER-BENTSON X-Ray Film Filing Cabinets

THE cabinet is rigidly re-enforced with all corners and connecting parts acetylene and electrically welded. Drawers operate on cradle-type, ball bearing progressive suspension slides, rolling easily and quietly despite heavy loading. Slides are cadmium-plated to prevent rusting. A re-enforced, positive locking and easily adjustable side locking follower block is furnished in each large film filing drawer. An automatic drawer catch is furnished on each large drawer (not supplied on small, temporary drawer), automatically locking the drawer when closed until released by the use of a bronze thumb latch, conveniently located near to the drawer pull.

All cabinets are equipped with louvers in the back, allowing a sufficient current of air to circulate throughout the entire inner capacity. This feature is an essential safeguard and complies with the increasing demand for such an arrangement, and with state law.

Standard finish is olive green baked enamel with beautiful grained finishes in mahogany and walnut furnished at low additional cost. Inside dimensions, 17-11/15" x 15" x 25 1/2".

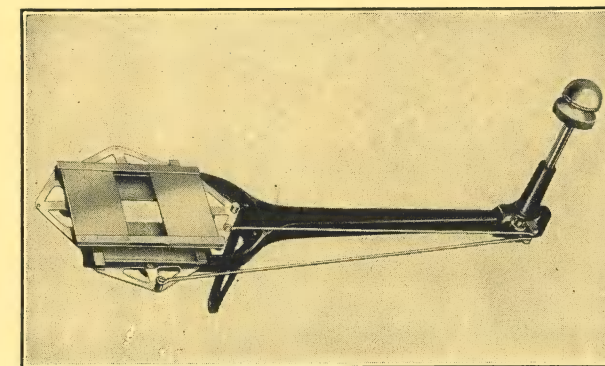
No.		Code
3200	Three Large Drawers with Shallow Drawer at Top—Olive Green.....	BEONE
3198	Same as No. 3200 with General Lock.....	TIBBC
3202	Two Large Drawers with Shallow Drawer at Top—Olive Green.....	BETRE
3199	Same as No. 3202 with General Lock.....	TIBCB
3203	One Large Film Drawer.....	TIBDC
3204	Same as No. 3203 with Individual Lock.....	TIBED



## FISCHER Film Storage Cabinets

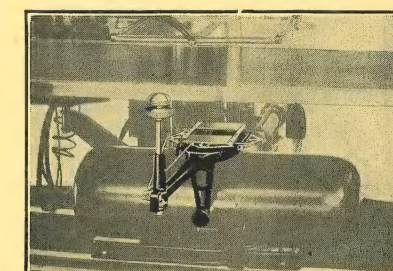
All FISCHER Film Storage Cabinets are carefully constructed and lined with heavy sheet lead. Joints are carefully sealed, and nail and screw holes are soldered over to prevent any possible chance of the x-rays leaking into the contents. The lead on the cover is pressed out to insure a snug fit into the cabinet, and reinforced to protect it from sagging. Nos. 573 and 575 are finished in mahogany, No. 3730 in black. No. 577A in black Kristokrak. Made in four sizes.

No.		Code
573	For Dental Films, size 4" x 5".....	DUNOT
575	For Films up to and including size 8" x 10".....	DENSO
577A	For Films up to and including size 14" x 17".....	TASBB
3730	For Films up to and including size 14" x 36".....	TAMAT



## FISCHER Localizing Fluoroscopic Shutter Attachment

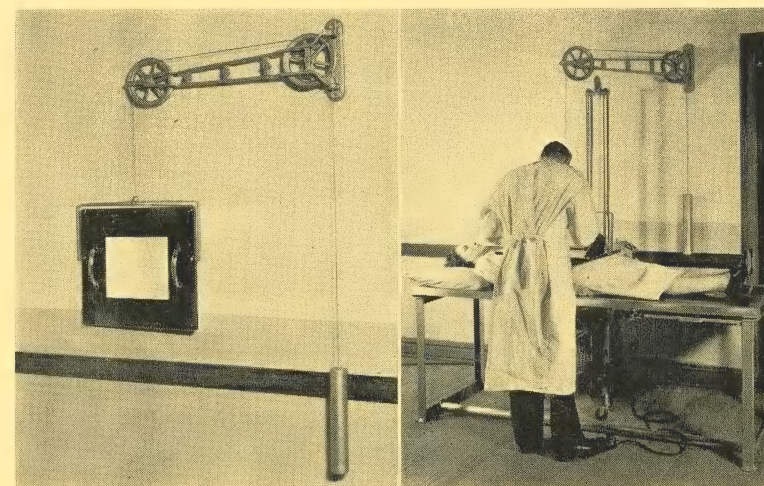
Attaches and detaches automatically. Greatly facilitates fluoroscopic work. The two control knobs are conveniently located, making for ease of operation. Designed to fit the FISCHER "60-88" Diagnostic, Shockproof X-Ray Apparatus and to attach or detach at will. No tools are required. It simply slips into the grooves provided on the metal x-ray tube cover for holding the compression cones or aluminum filters. Any size opening, square or rectangular, from zero up to full size of the fluoroscopic screen is obtainable. The illustrations show the shutter itself and position in operation.



Weight of shutter, 6 lbs. The adjustable shutters are of heavy sheet lead, supported by sheet steel. The frame is aluminum. The finish black enamel or ivory and plating to match the finish of FISCHER Model "60-88." A unique counterweighting device in the upright support offsets the added weight of the shutter attachment and leaves the whole unit perfectly counterbalanced.

No.		Code
2927	FISCHER Localizing Fluoroscopic Shutter Attachment.....	KAYLE

## FISCHER Counterbalanced Fluoroscopic Screen with Wall Mounting



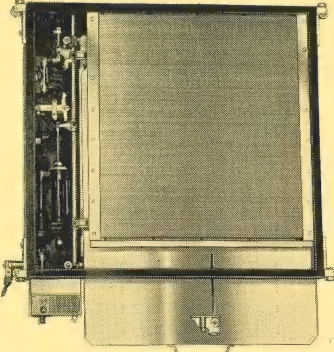
THIS unit consists of an 8"x10" Patterson Type "B" Fluoroscopic Screen, mounted with lead glass protection, including a 5" wide lead protective border or frame, supported by cable and counterbalance over wall swivel hanger, as shown in the illustration. The screen is so counterbalanced as to move at a touch. Standard finishes are black kristokrak and hammered gray. In use, this screen obviously serves in either vertical or horizontal fluoroscopy.

No.		Code
4462	FISCHER Counterbalanced Fluoroscopic Screen (8" x 10") with Wall Mounting.....	TIKYD
4463	FISCHER Counterbalanced Fluoroscopic Screen (10" x 12") with Wall Mounting.....	TILRO

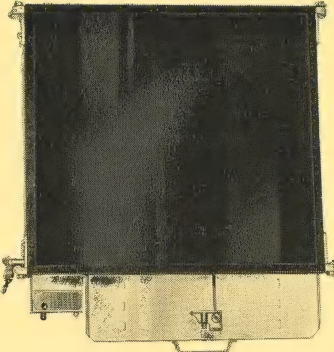


FISCHER Synchrotimed Bucky—17'' and 36''

DESIGNED with new style of oil control in motor, to provide smoother movement. No jumps—movement perfectly uniform. Also a novel way of timing with chart—Bucky can be set for any desired exposure. Virtually eliminates the possibility of grid marks. The following numbers are timed .5 sec. to 25 sec.



Bucky as used in x-ray table.



Bucky with covering for use anywhere.

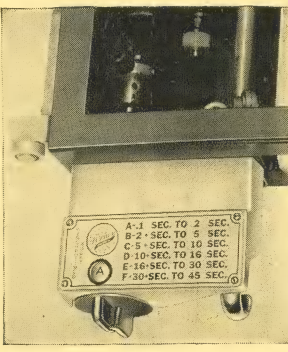
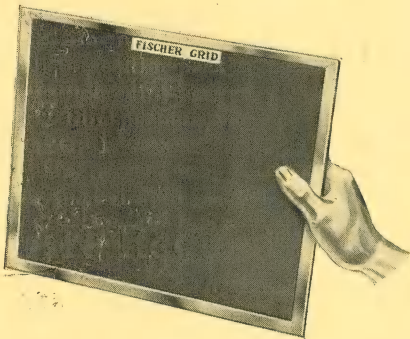


Illustration showing detail of controls.

No.		Code
A4058A	17" FISCHER Flat Synchrotimed Bucky Diaphragm with bakelite top	TIDHF
A4059	17" FISCHER Flat Synchrotimed Bucky Diaphragm to fit "DS-60" Apparatus	TIDIG
A4060	17" FISCHER Flat Synchrotimed Bucky Diaphragm to fit Tilt Table when used with "60-88" unit	TIDJH
A4061	17" FISCHER Flat Synchrotimed Bucky Diaphragm to fit No. 3532 Table as used with "DSP-20" and "SP-60" units	TIDKI
A4055	36" FISCHER Flat Synchrotimed Bucky Diaphragm to fit Vertical Wall Frame No. 3529	TIDOM
A4063	FISCHER Flat Synchrotimed 36" Bucky Diaphragm	TIDMK
A4056	FISCHER Flat 36" Synchrotimed Bucky to fit Tilt-Table No. 4035	TIDPN

The same numbers as above WITHOUT THE PREFIX "A" are timed 1 sec. to 45 sec.

Radiographic and Fluoroscopic Grids



WHILE the Bucky diaphragm remains the best known method of absorption of secondary radiation, there are times when the cost, size and weight of the Bucky diaphragm makes its use prohibitive, especially in small laboratories, small offices and at the bed-side. In such cases, the use of a radiographic grid is recommended in radiography. Radiographs of patients taken through a radiographic grid, compared to non-bucky, non-grid films, show remarkable contrast and clearness of definition.

The fluoroscopic grid is very similar in appearance, thickness and general design to the radiographic grid. The fluoroscopic grid is mounted to the back of the regular fluoroscopic screen mounting and like the radiographic grid its function is the absorption of secondary radiation, thereby creating a sharper and clearer fluoroscopic image.

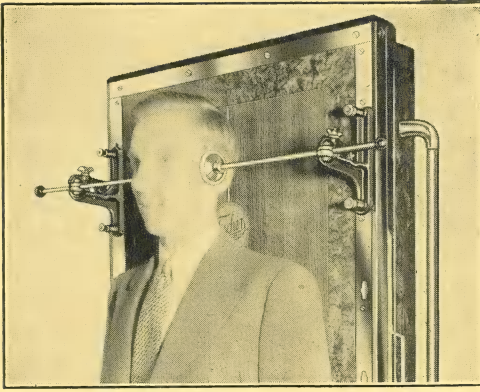
No.		Code
4558	12" x 16" Fluoroscopic grid	TIKZD
4559	14" x 17" Radiographic grid	TIKEY
4560	11" x 14" Radiographic grid	TIKFX
4561	10" x 12" Radiographic grid	TIKGV
4562	8" x 10" Radiographic grid	TIKHV
4563	5" x 7" Radiographic grid	TIKIT

Nos. 4558, 4559 and 4562 carried in stock.

Immobilizing Supports for FISCHER Tilt Table

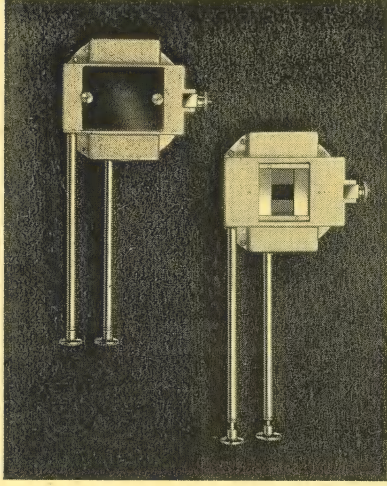
Immobilizing Supports for FISCHER Tilt Table designed to fasten to FISCHER Tilt Table and to immobilize head or other parts of body. Can be set in any of the positions on Tilt Table. The arms are adjustable. Fits also FISCHER Wall Frame. See illustration on page 26.

No.		Code
4037	Immobilizing Supports especially adapted to FISCHER Tilt-Table	TAIGH

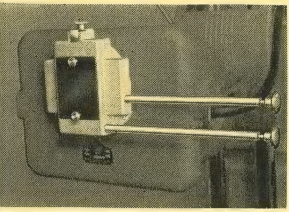


FISCHER Fluoroscopic Shutter

For use on all FISCHER Shockproof X-Ray Apparatus having "T" and "G" tubeheads.

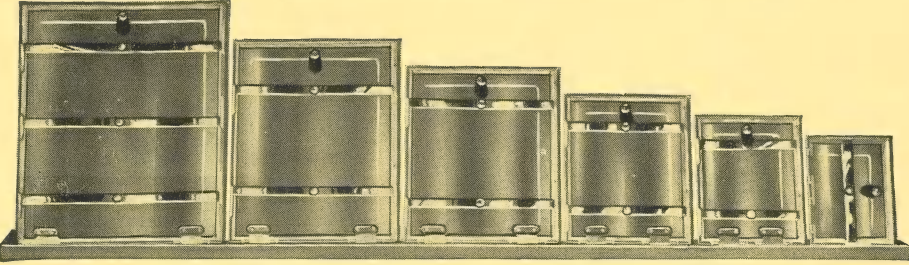


THIS shutter is compact and light in weight. It has an adapter that screws tightly into the threads that are used to hold the cone. Thus it can be attached quickly and as quickly and easily removed. There is a swivel in the shutter that permits setting the extension arms, supporting the two controls, at any desired angle or position. The shutters themselves are heavy lead, adjustable for any limitation of screen area. Operation is very simple and convenient.



No.	Code
4608	FISCHER Fluoroscopic Shutter.. TILGX

BUCK Stainless Steel Frame Cassettes



Experience in the manufacture of many thousands of cassettes with cast aluminum frames has brought out certain defects in this type of cassette, which it has been our aim to overcome in the new Buck steel frame cassette. Note the following points:

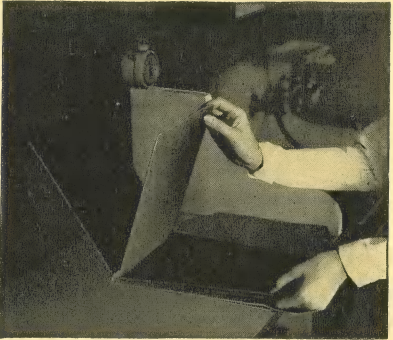
The hollow steel frame has welded corners, impossible to break, and the method of manufacture insures a true alignment free from stress. *Contact*—These cassettes eliminate any uncertainty of screen and film contact. *Light Weight*—Weight reduced to a noticeable extent. *Cover*—A recess around the four edges of the cover allows for the thickness of tape used in mounting screens. This promotes contact. If necessary to remove the cover screen from the felt, tape has a decided advantage. *Hinges*—Wide metal hinges prevent damage to screens when properly mounted on the cassette cover. *Springs*—The alignment of the cassette is so nearly perfect as to require only gentle pressure to produce contact, increasing life of the screens. *Felt*—A special manufacture practically free from lint or shedding. *Made with Aluminum front or Bakelite front. Aluminum front recommended where there is excessive humidity.*

WITH ALUMINUM FRONT			WITH BAKELITE FRONT		
No.		Code	No.		Code
4715	5" x 7" Cassette	TIOKF	4725	5" x 7" Cassette	TIOTT
4716	6 1/2" x 8 1/2" Cassette	TIOEH	4726	6 1/2" x 8 1/2" Cassette	TIOVX
4717	8" x 10" Cassette	TIOFI	4727	8" x 10" Cassette	TIPAC
4718	10" x 12" Cassette	TIOGJ	4728	10" x 12" Cassette	TIPCA
4719	11" x 14" Cassette	TIOHL	4729	11" x 14" Cassette	TIPBD
4720	14" x 17" Cassette	TIOJM	4730	14" x 17" Cassette	TIPDB
4721	14" x 36" Cassette	TIOPR	4731	14" x 36" Cassette	TIPEF

(Special sizes, price on application)

EASTMAN X-Ray Exposure Holders

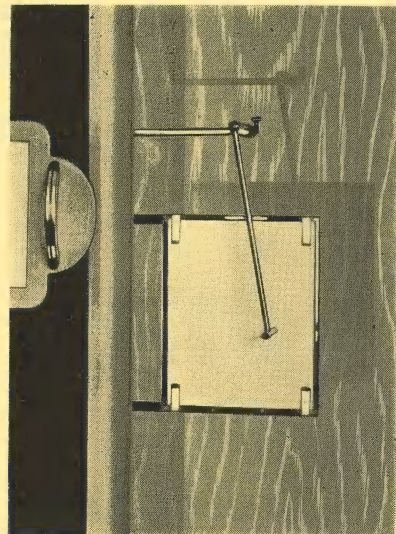
These holders offer a convenient and satisfactory method of handling x-ray film during exposure. They eliminate trouble in loading the usual black and orange envelopes. The hinged cardboard with the orange envelopes securely fastens with metal clips and permits the film to be handled with greater convenience during exposure. The holders are well made and with ordinary care will last for a considerable time. They are lead backed.



No.		Code
1678	5" x 7" (lead-backed) Exposure Holder	LADLE
1679	6 1/2" x 8 1/2" (lead-backed) Exposure Holder	LAGOO
1680	8" x 10" (lead-backed) Exposure Holder	LADDE
1681	10" x 12" (lead-backed) Exposure Holder	LAGUN
1682	11" x 14" (lead-backed) Exposure Holder	LABEL
1683	14" x 17" (lead-backed) Exposure Holder	LABIA



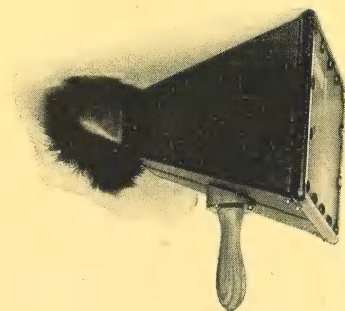
## FISCHER Orthodiagraphic Attachment



**A**N accessory for use with FISCHER Model "GF", also FISCHER Model "TF" apparatus, which permits tracings of the heart to be made, true as to size and shape. Thus permanent records can be kept. This attachment consists of three parts, first, a crosswire sight; second, a recording arm; and third, a tracing board. All three parts may be attached to the frame of the x-ray apparatus or detached easily and quickly. The tracings are made on paper sheets which clamp to the tracing board. For simplicity, accuracy and convenience, this attachment is remarkable.

No.	Code
4360A FISCHER Orthodiagraphic Attachment.....	TIJWD

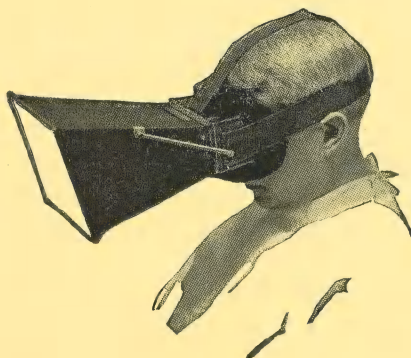
## FISCHER Hand Fluoroscopes



Consists of a handsome black box, with heavy roll of felt around eye piece, making it absolutely light proof, and with the latest Patterson Type "B" super-sensitive fluoroscopic screen. Materials and workmanship are highest quality.

No.	Code
1020BA 5" x 7" Patterson Type "B" Super-sensitive Screen, mounted in light proof box .....	TIGRO
1024BA 5" x 7" Patterson Type "B" Super-sensitive Screen, mounted in light proof box with lead glass protection over entire screen.....	THIOS
1025BA 5" x 7" Patterson Type "B" Super-sensitive Screen, mounted in light proof box with lead glass protection over entire surface and heavy sheet lead hand protector.....	THIRT
1026BA 8" x 10" Patterson Type "B" Super-sensitive Screen, mounted in light proof box with lead glass protection over entire surface and heavy sheet lead hand protector.....	THIUR

## PATTERSON Operating Fluoroscopes



Leatherette covering. Held in place before the eyes with elastic bands, as illustrated. Permits operator to use both hands. When the operator does not desire to use screen, box containing screen may be tilted back against the head. When the box is so tilted a piece of ruby glass automatically falls down in front of the eye piece, protecting the accommodation of the eyes. Equipped with latest Patterson Type "B" super-sensitive screen.

No.	Code
1031B Operating Fluoroscope, equipped with 5" x 7" Patterson Type "B" super-sensitive Screen and heavy lead glass protection .....	TIPFO

## PATTERSON Standard Unmounted Fluoroscopic Screens

The following numbers of Patterson Standard Fluoroscopic Screens are types universally used throughout the country, and have proven eminently satisfactory. The fluorescent salt employed in their manufacture is not affected by ordinary heat or dampness, and if properly mounted in a suitable frame and handled with ordinary care, will render good service for many years.

No.	Code	No.	Code
1021 Patterson Standard, 5" x 7", Screen only .....	DRENC	1017 Patterson Standard, 11" x 14", Screen only .....	DUTCH
1022 Patterson Standard, 8" x 10", Screen only .....	DUCTO	1018 Patterson Standard, 12" x 16", Screen only .....	DYADE
1023 Patterson Standard, 10" x 12", Screen only .....	DULCI	1019 Patterson Standard, 14" x 17", Screen only .....	DYNEZ

## PATTERSON "Type B" Fluoroscopic Screens

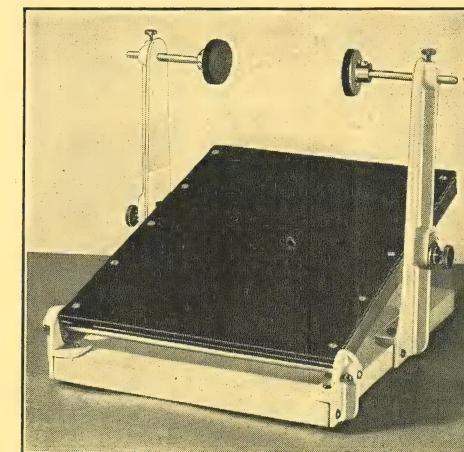
The Patterson Type "B" represents the latest development in fluoroscopic screens and is rapidly supplanting the older type Patterson Standard. The Type "B" fluoresces with a brilliant yellow-green color which is pleasing and restful to observe and a color to which the eye readily accommodates. The sensitivity of the screen permits low operating intensities thereby giving excellent detail and contrast.

Patterson "Type B"			Patterson "Type B"		
No.	Fluoroscopic Screen only	Code	No.	Fluoroscopic Screen only	Code
3440	5" x 7".....	GNASI	3443	11" x 14".....	GREGO
3441	8" x 10".....	GLENA	3444	12" x 16".....	GROAT
3442	10" x 12".....	GRAPE	3445	14" x 17".....	GROVE

## FISCHER Adjustable Head Rest and Cassette Holder

Designed to accommodate 8"x10" cassette. Changes from sinus to mastoid positions. Any position locks fast. The head supports are adjustable. Top is tempered prestwood. Finish ivory.

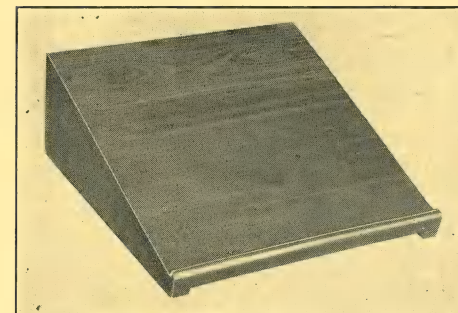
No.	Code
3549 FISCHER Adjustable Head Rest and Cassette Holder.....	JEDRO



## FISCHER Angle Block Head Support

Arranged so that either the 34° or 37° angle may be employed for mastoid frontal sinus and similar radiographic work. All wood construction, mahogany finish. Has ledge at bottom to hold cassette or film holder in place. Dimensions 12" by 13". Proper angular support for head or skull negatives is an absolute necessity if the best results are to be obtained.

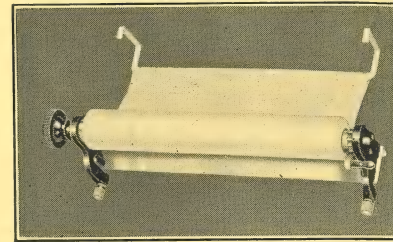
No.	Code
3547 FISCHER Angle Block Head Support.....	FACIO





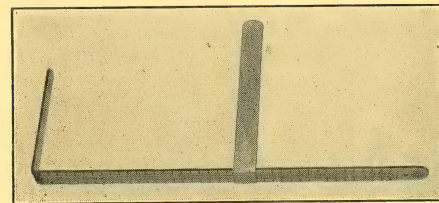
## FISCHER Immobilizing and Compression Attachment

Specially designed, convenient immobilizing band, made of woven, non-stretching material (linen pocket-drill), 10 inches wide. The frame is arranged with a ratchet and locking device which holds band tight over patient. Equally serviceable with tables or wall frames.



No.	Code
3496A FISCHER Immobilizing and Compression Attachment for FISCHER Tables, or Vertical Wall Frame.....	OXYAC
3495A FISCHER Double Immobilizing and Compression Attachment for FISCHER Tables or Upright Wall Frame.....	FLATT
3492A Immobilizing Band only .....	FLOOD

## FISCHER Thickness-of-Part Caliper



This caliper is made of aluminum, highly polished and is of the right angle type calibrated from 1 to 40 Centimeters; it provides the most exact method known today for the determination of the P.K.V. necessary to compensate for the increased or decreased thickness of any part of the body to be radiographed.

No.	Code
4364 FISCHER Thickness-of-Part Caliper .....	TEBUX

## Negative Preservers (Filing Envelopes)

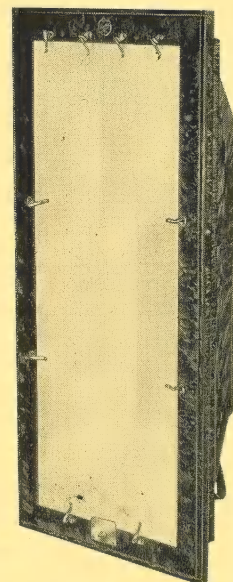
No.	Code
1650 Manila Filing Envelopes, 5 " x 7 " size, per 100.....	FOVEA
1651 Manila Filing Envelopes, 6½" x 8½" size, per 100.....	FRAXX
1652 Manila Filing Envelopes, 8 " x 10 " size, per 100.....	FRETT
1653 Manila Filing Envelopes, 10 " x 12 " size, per 100.....	FROST
1654 Manila Filing Envelopes, 11 " x 14 " size, per 100.....	FOCUS
1655 Manila Filing Envelopes, 14 " x 17 " size, per 100.....	FUNDA



## FISCHER Special Illuminator 14"x36" Films

A VERY attractive and necessary unit for illuminating 14" x 36" films. The attractive frame is in black Kristokrak. Blue opal glass is used at front with a clear glass baffle behind and slot at top for conducting heat. Films are held in position by 10 clips properly placed for convenience and effectiveness. Three 150-watt Daylight (inside frosted) bulbs are used—included in the price, also connecting line cord. A stable base permits setting illuminator in position for best observation.

No.	Code
3736 FISCHER Special Illuminator for 14" x 36" Films including three 150-watt Daylight (inside frosted) bulbs .....	TIBRY



## X-RAY INTENSIFYING SCREENS

Intensifying screens are an absolute requirement in the roentgenographic laboratory. They make it possible to produce negatives of the heavier parts in one-fourth to one-fifth the time required where they are not used. This means much less strain on the x-ray tube, as well as less consumption of line current. For the benefit of users, all the better known brands of intensifying screens are listed.

## BUCK Non-Halation Intensifying Screens

Present-day radiography uses screens of different speeds in order to secure the best possible results. For this reason, many x-ray laboratories, in addition to screens of medium speed and definition, require special screens where greater speed or better definition is the objective. Buck, Non-Halation Intensifying screens come in three types — X-TRA Speed Brand, MID Speed Brand, and DEFINITION Brand.

Buck X-TRA Speed Brand represents the ultimate speed possible consistent with good detail.

Buck MID Speed Brand is an "all-purpose" screen.

Buck DEFINITION Brand is for use where the "ultimate" in definition is desired.



No.	Buck X-TRA-SPEED Intensifying Screen Code
3795 5" x 7".....Pair	TOMEN
3796 6½" x 8½".....Pair	TOMOY
3797 8" x 10".....Pair	TOMTO
3798 10" x 12".....Pair	TONAP
3799 11" x 14".....Pair	TONGA
3800 14" x 17".....Pair	TONIK
3803 14" x 36".....Pair	TONZE

No.	Buck MID-SPEED Intensifying Screen Code
3807 10" x 12".....Pair	TOPHI
3808 11" x 14".....Pair	TOPSY
3809 14" x 17".....Pair	TOPOR

No.	Buck DEFINITION Intensifying Screen Code
3813 5" x 7".....Pair	TORAM
3814 6½" x 8½".....Pair	TOROC
3815 8" x 10".....Pair	TORRE
3816 10" x 12".....Pair	TORSH
3817 11" x 14".....Pair	TORPI
3818 14" x 17".....Pair	TORIC

The above prices cover combinations or pairs.  
Single thick screen, 60% of Combination price. Single thin screen, 40% of Combination price.

## EASTMAN Ultra-Speed Intensifying Screens

Eastman Ultra-Speed Intensifying Screens are available to meet the demands of modern radiography for short exposure or low kilovoltage technic. When used with Eastman X-Ray Films the time or the voltage factor can be reduced to the minimum established by present scientific knowledge. Freedom from grain and afterglow, durability, and ease in mounting are inherent characteristics of these new Eastman Screens. The intensifying material, coated on a cardboard support, presents a surface that will not readily abrade or scratch, and is easily cleaned. Eastman Ultra-Speed X-Ray Intensifying Screens are supplied in pairs; the front unit being thinner to prevent undue absorption of low voltage radiation. Mounting is easily accomplished in any type cassette, and the surfaces stay flat—there is no buckle or curl.

No.	Code
3285 Eastman, 5 " x 7 ", Pair. Eastman Ultra-Speed Intensifying Screens.....	ODORI
3286 Eastman, 6½" x 8½", Pair. Eastman Ultra-Speed Intensifying Screens.....	ODYNO
2477 Eastman, 8 " x 10 ", Pair. Eastman Ultra-Speed Intensifying Screens.....	ZIDUF
2478 Eastman, 10 " x 12 ", Pair. Eastman Ultra-Speed Intensifying Screens.....	ZEVAM
2479 Eastman, 11 " x 14 ", Pair. Eastman Ultra-Speed Intensifying Screens.....	ZECWO
2480 Eastman, 14 " x 17 ", Pair. Eastman Ultra-Speed Intensifying Screens.....	ZECZY



PATTERSON Intensifying Screens

Patterson screens cover the entire ranges of radiography. Whatever the size of the apparatus, whatever the demands of the roentgenologist, one of these Patterson screens is especially suited to that condition.

Hi Speed .....for maximum speed with any capacity apparatus.

Par Speed .....represents the ideal balance between speed and detail in effect a fast detail screen.

No.	Code	No.	Code
2860	Patterson "Par-Speed," 8" x 10", Thin PABUL	2875	Patterson "High-Speed," 8" x 10", Thin PALIZ
2861	Patterson "Par-Speed," 8" x 10", Thick PACAL	2876	Patterson "High-Speed," 8" x 10", Thick PALMO
2862	Patterson "Par-Speed," 8" x 10", Pair PACHA	2877	Patterson "High-Speed," 8" x 10", Pair PAMPA
2863	Patterson "Par-Speed," 10" x 12", Thin PACIF	2878	Patterson "High-Speed," 10" x 12", Thin PANAC
2864	Patterson "Par-Speed," 10" x 12", Thick PADLE	2879	Patterson "High-Speed," 10" x 12", Thick PANED
2865	Patterson "Par-Speed," 10" x 12", Pair PAEAN	2880	Patterson "High-Speed," 10" x 12", Pair PANJA
2866	Patterson "Par-Speed," 11" x 14", Thin PAGET	2881	Patterson "High-Speed," 11" x 14", Thin PANSY
2867	Patterson "Par-Speed," 11" x 14", Thick PAILO	2882	Patterson "High-Speed," 11" x 14", Thick PAPA
2868	Patterson "Par-Speed," 11" x 14", Pair PAJAM	2883	Patterson "High-Speed," 11" x 14", Pair PAPUS
2869	Patterson "Par-Speed," 14" x 17", Thin PAKLO	2884	Patterson "High-Speed," 14" x 17", Thin PARAB
2870	Patterson "Par-Speed," 14" x 17", Thick PALAT	2885	Patterson "High-Speed," 14" x 17", Thick PARCA
2871	Patterson "Par-Speed," 14" x 17", Pair PALEY	2886	Patterson "High-Speed," 14" x 17", Pair PAROL

PATTERSON Fluorazure Intensifying Screens

The Fluorazure is a distinct type of intensifying screen and has its particular field in low kilovoltage technique. This screen is especially sensitive to soft radiation and at 30 P.K.V. is approximately three times as fast as the fastest high speed screen. It is recommended chiefly for radiography done at no more than 45 P.K.V. This speed characteristic makes it useful for low powered or portable units.



No.	Code
2850	Patterson Fluorazure Combination, 8" x 10", Pair.....TENAX
2851	Patterson Fluorazure Combination, 10" x 12", Pair.....TENLI
2852	Patterson Fluorazure Combination, 11" x 14", Pair.....TENDE
2853	Patterson Fluorazure Combination, 7" x 17", Pair.....TENRO
2854	Patterson Fluorazure Combination, 14" x 17", Pair.....TENOT



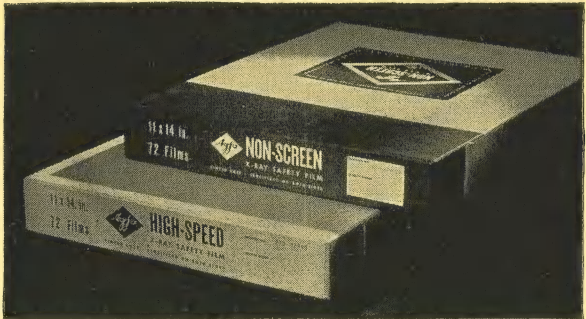
EASTMAN X-Ray Film Corner Cutter

DESIGNED to eliminate the sharp or rough corners on x-ray films, caused by developing hanger clips. Prevents such corners scratching other radiographs. Consists of self-sharpening knife with protective guard. There are guard rails to hold radiograph so that a uniform cut is made from each corner. Several radiographs may be trimmed at one time.

No.	Code
4004	EASTMAN X-Ray Film Corner Cutter.....TIBXY

X-RAY FILMS

In selecting x-ray films, there are certain points important to keep in mind. Naturally each type or brand of film has its own characteristics. One film, for instance, will operate best at one voltage, another film at a different voltage. Films react differently also in the processes of development. In dental work sometimes slow films may be wanted for greater detail; at other times the greatest speed is desirable. There is something to be said, further, for the operator's own experience. Using a certain brand of film, an operator may be getting entirely satisfactory results. Changing to another brand of films, and still using his old technic, may upset everything. Familiarity with the nature of a film is necessary. For convenience of customers we have listed different brands. (If you have difficulty with films, put your problem to us. We shall be glad to recommend the proper procedure.)



AGFA Non-Screen X-Ray Films

The Agfa Non-Screen X-Ray Film produces the maximum contrast and brilliancy ordinarily obtained only with intensifying screens, yet with an increase rather than a loss in detail. The speed of this film is approximately four times that of the regular film when used in exposure holders. The extreme latitude of this film will permit exposures of 50% above or below normal without disturbing the excellent diagnostic qualities. A maximum amount of soft tissue and bony detail is possible on the same film. It is a definite improvement in foreign body localization and soft tissue diagnosis, such as cancer of the throat and of the breast.

No.	Code	No.	Code
4145	5 " x 7 ", 1 dozen package.....TALII	4170	5 " x 7 ", 6 dozen package.....TAMHA
4146	6 1/2" x 8 1/2", 1 dozen package.....TALJJ	4171	6 1/2" x 8 1/2", 6 dozen package.....TAMII
4147	8 " x 10 ", 1 dozen package.....TALIJ	4172	8 " x 10 ", 6 dozen package.....TAMAI
4148	10 " x 12 ", 1 dozen package.....TALJI	4173	10 " x 12 ", 6 dozen package.....TAMIA
4149	11 " x 14 ", 1 dozen package.....TALKK	4174	11 " x 14 ", 6 dozen package.....TAOAB
4150	14 " x 17 ", 1 dozen package.....TALMM	4175	14 " x 17 ", 6 dozen package.....TAOCB

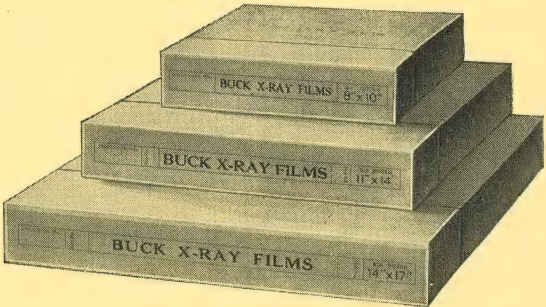
AGFA High-Speed X-Ray Films

The Regular Agfa X-Ray Film is very sensitive so that it gives full registration of detail on short exposures and has unusually wide range of gradation from clear white to dense black. The consistency of this film is superior to certain other films on the market so that a new technic chart is not necessary with every new box of films.

No.	Code	No.	Code
4135	5 " x 7 ", 1 dozen package.....TALDC	4178	5 " x 7 ", 6 dozen package.....TAOBA
4136	6 1/2" x 8 1/2", 1 dozen package.....TALEE	4179	6 1/2" x 8 1/2", 6 dozen package.....TAOCC
4137	8 " x 10 ", 1 dozen package.....TALEF	4180	8 " x 10 ", 6 dozen package.....TAOAC
4138	10 " x 12 ", 1 dozen package.....TALGG	4181	10 " x 12 ", 6 dozen package.....TAOCA
4139	11 " x 14 ", 1 dozen package.....TALHH	4182	11 " x 14 ", 6 dozen package.....TAMAO
4140	14 " x 17 ", 1 dozen package.....TALGH	4183	14 " x 17 ", 6 dozen package.....TAMOA

BUCK X-Ray Films

Speed with contrast, and freedom from chemical fog are the outstanding points of superiority. The process used in the manufacture of Buck X-Ray Films insures the making of a very uniform product. The silver bromide crystals are very fine, which aids in the registration of the most delicate detail. It develops and fixes freely, also resists to a considerable degree the softening effect of warm wash water—dries quickly. To manufacture a fast film which possesses good keeping quality requires the proper processing of the finest materials and complete elimination of foreign chemicals or matter by the use of the right kind of water for washing emulsions, and it is for this reason that Buck X-Ray Films give very little trouble from deterioration. *Safety Base.*



No.	Code	No.	Code
3315	5 " x 7 ", 1 doz. box.....ONCOS	3320	14 " x 17 ", 1 doz. box.....ONYXI
3316	6 1/2" x 8 1/2", 1 doz. box.....ONANO	3321	7 " x 17 ", 1 doz. box.....OPACI
3317	8 " x 10 ", 1 doz. box.....ONIER	3322	8 " x 36 ", 1 doz. box.....OPAQU
3318	10 " x 12 ", 1 doz. box.....ONYCH	3323	14 " x 36 ", 1 doz. box.....OMAZY
3319	11 " x 14 ", 1 doz. box.....OOCYT		



## EASTMAN Ultra-Speed X-Ray Films

Eastman Ultra-Speed X-Ray Films are evolutionary products of continued scientific research to keep pace with radiographic progress. Their outstanding advantage is greater sensitivity, which makes possible the use of shorter exposures or less kilovoltage than has ever before been possible in radiography. Safety film solves the storage and filing problem because it complies with the most rigid fire regulation.

No.		Code	No.		Code
3300	5 " x 7 ", 1 doz. pkg.	OPHTH	3304	11 " x 14 ", 1 doz. pkg.	ORBIT
3301	6½" x 8½", 1 doz. pkg.	OPIUM	3305	14 " x 17 ", 1 doz. pkg.	ORCHI
3302	8 " x 10 ", 1 doz. pkg.	OPPIL	3299	14 " x 36 ", 1 doz. pkg.	TACHE
3303	10 " x 12 ", 1 doz. pkg.	OPSIM			

## BUCK Metal-Wrapped Dental Packets

(Safety Base, 1¼ x 1½ in.)

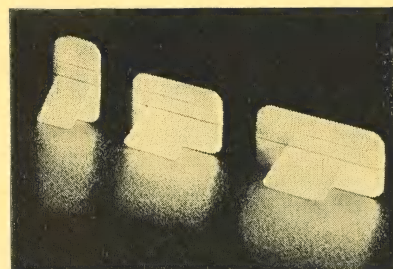
A dental film which possesses the desirable qualities characteristic of a slow, or Regular Brand film with one-half the exposure; a tough emulsion, free from objectionable curl, which withstands the effect of warm wash water; dries quickly; coated on one side of the cellulose base only, which means maximum sharpness of detail and no chance to make a mistake by not knowing which side of the film faced the tube during exposure. Designated by an ALUMINUM coated facing on each packet.

No.		Code
4500	Regular (slow) Brand, 2 films per packet, 24 packets	TEDLM
4501	Regular (slow) Brand, 2 films per packet, 144 packets	TEDMN
4502	Regular (slow) Brand, 1 film per packet, 24 packets	TEDNO
4503	Regular (slow) Brand, 1 film per packet, 144 packets	TEDOP
4504	Double Coated (medium speed) Brand, 2 films per packet, 24 packets	TEDPR
4505	Double Coated (medium speed) Brand, 2 films per packet, 144 packets	TEDRS
4506	Double Coated (medium speed) Brand, 1 film per packet, 24 packets	TEDST
4507	Double Coated (medium speed) Brand, 1 film per packet, 144 packets	TEDTU
4508	Speed (fast) Brand, 2 films per packet, 24 packets	TEDVW
4509	Speed (fast) Brand, 2 films per packet, 144 packets	TEDWX
4510	Speed (fast) Brand, 1 film per packet, 24 packets	TEDXY
4511	Speed (fast) Brand, 1 film per packet, 144 packets	TEDYZ

## BUCK Paper Wrapped Dental Packets

(Safety Base, 1¼ x 1½ in.)

No.		Code
4512	Single Coated (medium speed) Brand, 2 films per packet, 24 packets	TIABA
4513	Single Coated (medium speed) Brand, 2 films per packet, 144 packets	TIAAB
4514	Single Coated (medium speed) Brand, 1 film per packet, 24 packets	TIACD
4515	Single Coated (medium speed) Brand, 1 film per packet, 144 packets	TIAD E
4565	Regular (slow) Brand, 2 films per packet, 24 packets	TIHIS
4566	Regular (slow) Brand, 2 films per packet, 144 packets	TIHJR
4567	Regular (slow) Brand, 1 film per packet, 24 packets	TIHKP
4568	Regular (slow) Brand, 1 film per packet, 144 packets	TIHLO
4569	Double Coated (medium speed) Brand, 2 films per packet, 24 packets	TIHMN
4570	Double Coated (medium speed) Brand, 2 films per packet, 144 packets	TIHNB
4571	Double Coated (medium speed) Brand, 1 film per packet, 24 packets	TIHYC
4572	Double Coated (medium speed) Brand, 1 film per packet, 144 packets	TIHND
4573	Speed (Fast) Brand, 2 films per packet, 24 packets	TIHWE
4574	Speed (Fast) Brand, 2 films per packet, 144 packets	TIHVC
4575	Speed (Fast) Brand, 1 film per packet, 24 packets	TIITH
4576	Speed (Fast) Brand, 1 film per packet, 144 packets	TIISI



## EASTMAN Bite-Wing Dental X-Ray Film Packets

The periodic X-ray examination—Raper Technic—is accomplished by use of the Bite-Wing Film. A wing is provided on which the patient bites; then the crown and coronal third or both the upper and lower dentures are exposed on the film. A complete examination consists of either seven or five films, as three sizes of packets are available.

No.		Code
635	Safety Base, 1-5/16"x1-9/16", 1 dozen package (Type 1), Small	BITER
636	Safety Base, 1¼"x1½", 1 dozen package (Type 2), Intermediate	BITMO
637	Safety Base, 1¼"x2½", 1 dozen package (Type 3), Large	BITLA

## EASTMAN Occlusal Dental X-Ray Film Packets

This film is so named because it is retained in position by the full bite of the patient, and because it is ideal to record the relationship of the teeth in the horizontal plane. It is particularly valuable in the location of impactions and the examination of calculi in the salivary duct. Occlusal Films are supplied in the same type white, sanitary packets as Radia-Tized films. They may be obtained with either of two emulsions—Regular (Slow) or Ultra-Speed.

No.		Code
3290	Safety Base, 2¼" x 3" (Slow), 2 film packet, 1 dozen package	OTOAN
3291	Safety Base, 2¼" x 3" (Ultra-Speed), 2 film packet, 1 dozen package	OTOPH

## EASTMAN Radia-Tized Dental X-Ray Film Packets

Their many distinctive features have made Eastman Radia-Tized Films an outstanding choice for periapical radiography. Sensitive emulsions are coated on both sides of the base; thus, two superimposed images are obtained in the radiograph. The packets are machine-made, from white, sanitary, waterproof paper, and have rounded corners to give added comfort. An embossed dot readily indicates the tube side. The sensitivity of Radia-Tized Films is midway between "Extra-Fast" and "Regular" Films.

Two sizes are available: Standard (¼" x 1½"), for usual adult cases; No. 0 (⅞" x 1½"), for adults with narrow arches, and for children. The standard size packets are supplied in boxes of two dozen packets or one gross dispenser packages; the No. 0, in boxes of two dozen packets.



No.		Code
1673	Safety Base, ¼" x 1½", 2 film packet, 1 gross dispenser pkg. (AD Type)	SAFAD
3267	Safety Base, ¼" x 1½", 2 film packet, 2 dozen pkg. (AD Type)	OSCOD
1672	Safety Base, ¼" x 1½", single film packet, 1 gross dispenser pkg. (A Type)	SABAF
3269	Safety Base, ¼" x 1½", single film packet, 2 dozen pkg. (A Type)	OSMAT
3270	Safety Base, ⅞" x 1½", 2 film packet, 2 dozen pkg. (O-AD Type)	OSMIC

## EASTMAN Regular (Slow) Brand Dental X-Ray Film Packets

Films with slow emulsion when exposed to the proper amount of x-ray usually finish with more contrasty detail than films with more sensitive emulsion.

No.		Code
3271	Eastman Regular (Slow) Brand Dental X-ray Film Packets, 1¼" x 1½", 2 film (thin) packet, 1 gross pkg. (CD Type) Safety Base	OSGOO
3273	Same description as above except 2 doz. pkg.	OSSAY
3274	Same description as above except Single film, 1 gross pkg. (CS Type)	OSSIC
3276	Same description as above except Single film, 2 dozen pkg. (CS Type)	OSTHE

## EASTMAN Extra-Fast Brand Dental X-Ray Film Packets

Extra-Fast or "Speed" films that have extremely sensitive emulsion and require but very short exposures.

No.		Code
3277	Eastman Extra-Fast Brand Dental X-ray Film Packets, 1¼" x 1½" 2 film (thin) packet, 1 gross pkg. (CCD Type) Safety Base	OSTOS
3279	Same description as above except 2 dozen pkg.	OTACO
3280	Same description as above except Single film, 1 gross pkg. (CCS Type)	OTALA
3282	Same description as above except 2 dozen pkg. (CCS Type)	OTIAT



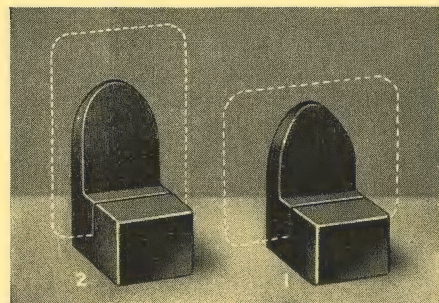


## FISCHER Dental Films Easiest to Open in Darkroom

A new dental film packet now available to the profession. Thin, with round corners, FISCHER dental films combine efficiency with comfort satisfying to the patient. They are the most convenient packets to open in the darkroom—a slight bend elevates the rip tab—pull the tab and the packet is opened. The film is the best that modern emulsion making can produce—giving contrast without sacrifice of detail. Safety base. Packed in one gross, one-half gross and 2-dozen boxes.

No.		Code
3765	Regular FISCHER, Single Film, 1 gross box	THEOB
3774	Regular FISCHER, Single Film, 1/2 gross box	TICKO
3766	Regular FISCHER, Single Film, 2 dozen box	THESI
3767	Regular FISCHER, Double Film, 1 gross box	THIAL
3775	Regular FISCHER, Double Film, 1/2 gross box	TIDAL
3768	Regular FISCHER, Double Film, 2 dozen box	THIGS

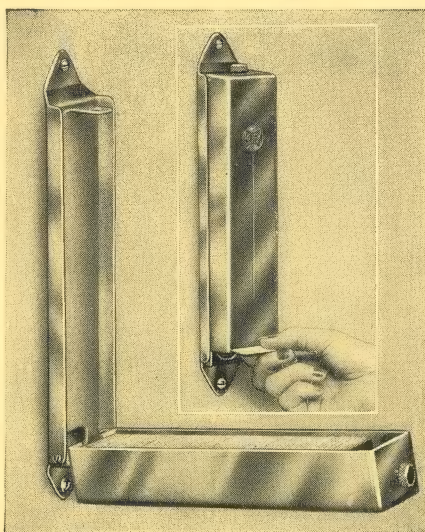
## BUCK Dental Film Holders



**T**HIS holder consists of a single molded piece of soft, but not too flexible, gum rubber having but slight resistance to x-ray—no seams or crevices to interfere with sterilization. The cushion of the rubber block will be found most comfortable to the patient; also prevents the holder from popping out of position when raying the molar teeth, as is sometimes the case with a non-cushion block. Place the film packet in the holder by bending the block—when the block is released the packet stays in position. Manufactured in style No. 1 for holding the film packet in a horizontal position as in raying the posterior teeth, and style No. 2 for holding the film packet in a vertical position as in raying the anterior teeth. Sold singly.

No.		Code
3206	Buck Dental Film Holder (No. 1 size)	OBEXA
3207	Buck Dental Film Holder (No. 2 size)	TIPIK

## BUCK Dental Film Safe

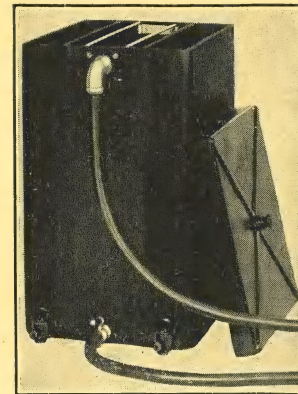


**A**CCOMMODATES any make of dental film packet—metal or paper wrapped. An efficient, attractive and economical dental film safe. By simply turning a milled screw at the top, the inner section opens to a convenient angle to receive a gross of No. 1 packets, which may be removed from the bottom of the safe one at a time as needed. A weighted follower-block keeps the packets flat and in line for convenient removal. Packets should be placed in the safe with the front or tube side upward. Attaches to wall or panel by the use of a screw at top and bottom. Full chromium finish, inside and outside.

No.		Code
1186	Buck Dental Film Safe	TIMRA

## FISCHER Hard Rubber Developing Tank

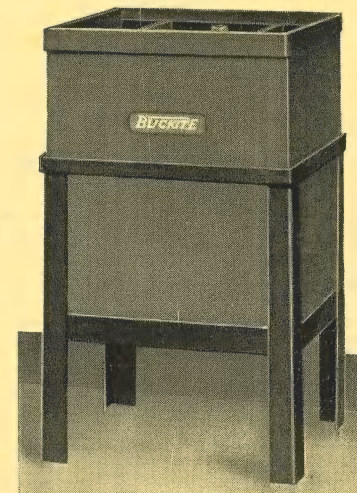
This outfit consists of a hard rubber tank measuring 10 inches long by 9 inches wide by 15 inches deep, within which are two rubber separators, forming three compartments; for developer, water and hypo fixer. Each compartment has its own drain cock. The center or water compartment has both inlet and outlet. Three feet of heavy laboratory hose is supplied for connection from water supply to lower faucet, the overflow passing into the sink through the metal overflow at the top. Fitted with cover as illustrated. Also fitted with metal bars at top of water compartment to hold dental film hangers while washing. Tank accommodates films in hangers up to and including 8"x10", and holds a full gallon of both developing and fixing chemicals.



No.		Code
1921	FISCHER Developing Tank with 2 No. 1628 film hangers	ZIAWS

## BUCKITE One-Piece Compartment Tank

A one-piece, three-compartment tank which accommodates films up to and including 14"x17". The standpipe overflow and drain outlet, also the water inlet fixtures, are of brass. The tank is mounted on an angle iron base of very substantial construction. The solution compartments are raised approximately two inches above the bottom of the washing compartment, into which they empty by the use of a cork or rubber plug. Elevating the solution compartments above the washing compartment permits free draining and easy cleaning when changing developing and fixing solutions. No cover.



No.		Code
1927	Buck Three-Compartment Tank, 5 gallon capacity	ZELNY
2909	Same as No. 1927 except 2 1/2 gallon capacity	TROZO



## BUCK Solution Tanks

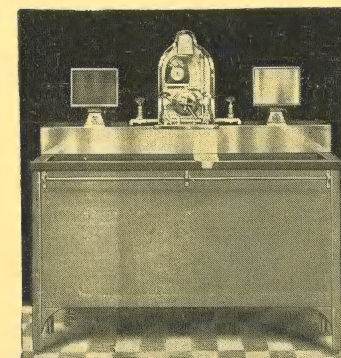
Molded of Buckite, without seams or joints. Impervious to acid or alkali. Will not disintegrate, scale off, chip or develop pinholes. Ribs cast in block permit free circulation of water beneath the tank. Made in four sizes—2 1/2, 5, 10, and 15 gallons.

No.		Code
2910	BUCK 2 1/2 gallon tank ( 2 1/4" x 16 1/4" x 23 3/4")	TIEDE
2911	BUCK 5 gallon tank ( 4 1/2" x 16 1/4" x 23 3/4")	TIGER
2912	BUCK 10 gallon tank ( 9 " x 16 1/4" x 23 3/4")	TILIA
2913	BUCK 15 gallon tank (13 1/2" x 16 1/4" x 23 3/4")	TILMY

## BUCKITE Thermo Tanks

**A**LINE of temperature insulated developing tank consisting of any desired combination of 30-inch and 22-inch (inside measurement) Buckite Compartment Tanks, all built into one complete unit; has all plumbing connection and controls required for the use of hot, cold and ice water. Standard equipment consists of thermo valve, thermometer, electric time clock, 8" x 10" darkroom lamp, and 8" x 10" illuminator. (14" x 17" illuminator may be had on special order.)

The 22-inch compartment will accommodate a 5-gallon Buckite Developing and a 5-gallon Buckite Fixing Solution Tank, allowing 10 1/2 inches of rinsing space between. The 30-inch compartment will accommodate a 10-gallon Buckite Developing and a 10-gallon Buckite Fixing Solution Tank, allowing rinsing space of 9 1/2 inches between. A special arrangement is necessary where larger solution tanks are desired.



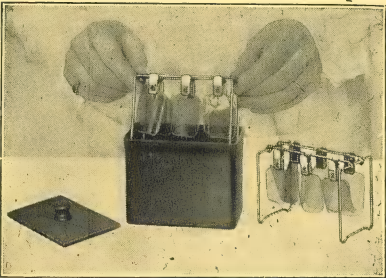
No.		Code
4710	Buckite Thermo Tank—30 and 22-inch compartments	TIODP
4711	Buckite Thermo Tank—30-inch compartment only	TIOOD



Dental Film Developing Tank

This convenient little tank is made of hard rubber and holds 12 ounces of solution. The tank is equipped with a lid also made of hard rubber. A special 6-clip film developing hanger listed as No. 1630 is supplied for use with this tank.

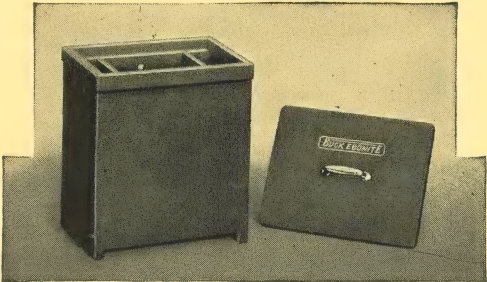
No.		Code
2355	Dental Film Tank Combination, 12-ounce tank and one No. 1630 hanger.....	ZASAF
2356	Dental Film Developing Tank, 12-ounce size tank with lid.ZASEG	
1630	Dental Film Developing Hanger, six clips for use in the above tank .....	DIXYO



BUCK Model "B" Dental Tank

Designed to be set in a sink or tray. Drain holes in the bottom of each compartment and overflow in back of washing compartment. Made of Buckite. Will not disintegrate, scale off, chip or develop pinholes. Outside dimensions, 12x15x18 inches. Has light-tight cover. End compartments hold one gallon. Center compartment four gallons.

No.		Code
1693	BUCK Model "B" Dental Tank.....	THOMA



ALL METAL SOLUTION TANKS

Absolutely impervious to DEVELOPING and FIXING chemicals—should last a LIFE-TIME.

No.		Code
4385	2½ gal. size for films up to 14" x 17". Single Tank .....	TEDFG
4386	5 gal. size for films up to 14" x 17". Single Tank .....	TEDGH

BUCK Master Tank

Ideal for use where climate necessitates cooling the developing and fixing solutions during the summer months. Permits cold water to surround solutions. Made of Buckite. Not affected by chemical action. Will not disintegrate, scale off, chip or develop pinholes. Overflow at center of back. Outlet at bottom, controlled by valve. Fixtures of brass. Base, angle iron with welded joints, black enameled. Available in two sizes—30 inch inside measurements, end to end, by 26 inches deep and 22 inch inside measurement by 26 inches deep. Width 18 inches, inside measurement.

No.		Code
2898	BUCK Master Tank (30" x 26").....	TINCA
2899	BUCK Master Tank (22" x 26").....	TINEO



FISCHER 3-Compartment Tank—14" x 36" Films

Hard rubber composition. Supported in angle-iron frame. Drain fittings. For use in developing 14" x 36" films. Best quality. Hard rubber cover.

No.		Code
2914A	FISCHER 3-Compartment Tank for 14" x 36" films .....	TOTSU

Hard Rubber Trays

EASILY kept chemically clean. Useful for developing, washing and fixing. The special rubber composition used in these trays is chemically resistant. The surface is chip proof. The rims are reinforced.

No.		Code
4645	For 5" x 7" films, each.....	TIRRS
4646	For 8" x 10" films, each.....	TIRSR
4647	For 11" x 14" films, each.....	TIRTT
4648	For 14" x 17" films, each.....	TIRXV

FISCHER Daylight Dental Film Developing Box

THIS developing box eliminates the need of darkroom facilities. It is light in weight and portable. The top is removable to permit placing developing tank inside. Two openings for the hands, with light-proof sleeves, enable operator to mount films on the reel which fits inside the developing tank. The light-proof cover of the tank can then be put on, the tank removed from the developing box and the films be developed in daylight—the developer and fixer being poured into the tank through opening in cover. There is a red light bulb on side of developing box. When desired, the developing tank may be purchased separately and used in darkroom or dark closet.



Above: View showing developing box in use. Human figure indicates comparative size. Left: View shows developing box with top open. At side is shown developer tank and film reel.

No.		Code
4622	FISCHER Daylight Dental Film Developing Box with tank and reel.....	TILHW
4623	Developing tank complete with film reel.....	TIPFG
4624	Film reel only for No. 4623 Tank.....	TIPGH

Thermometer

Serves a double purpose; handy as a stirring device, and automatically indicates the temperature of the solutions. Equally valuable in tank or tray development.

No.		Code
202	Thermometer .....	HERDE



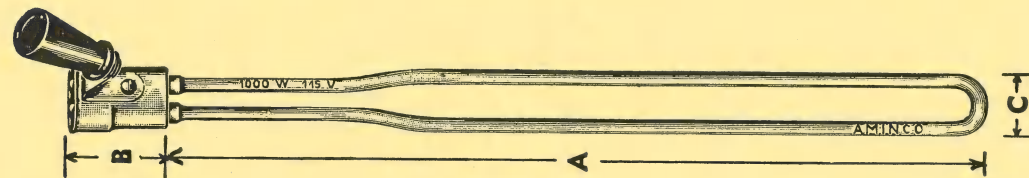
Floating Thermometer

Hydrometer type of floating thermometer, graduated up to 100° Fahrenheit. Has bright red line at 65° (proper temperature for developing solution.)

No.		Code
3296	Floating Thermometer .....	OBTUN



## "Hairpin" Portable Immersion Heater (4526M)

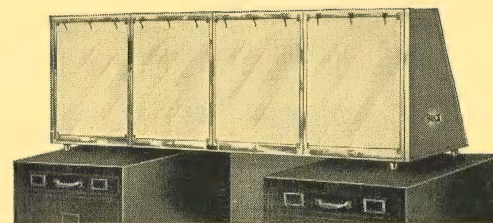
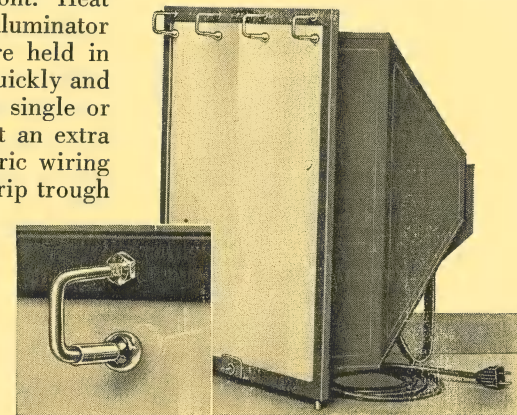


peratures. The heater is a single loop, attached to a sturdy metal terminal with convenient hook and handle so that the heater can be hung over edge of liquid container. Supplied complete with rubber-covered cord and attachment plug.

No. 4678 "Hairpin" Portable Immersion Heater..... Code TIMMD

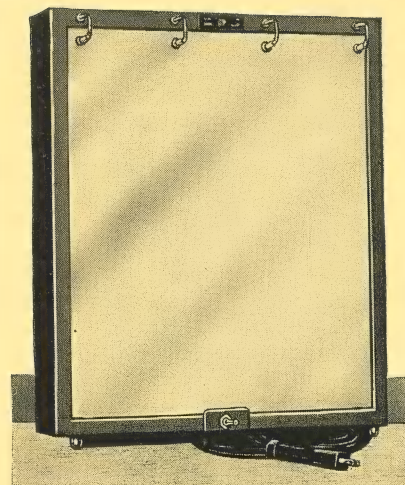
## BUCK Cold-Front Illuminator

ALL-METAL illuminator with clear glass baffle, 4 inches behind front. Heat from electrical bulb meets this baffle and is conducted out of the illuminator through slot in top. Permits safe examination of wet films. Films are held in position by spring clips. Front frame made of formed steel. Possible to quickly and easily assemble together any desired number of illuminators, forming a single or double decked group. Any desired group will be built at the factory at an extra charge of \$1.50 for each illuminator contained in the group. The electric wiring is entirely enclosed in metal. Shockproof switch on each illuminator. Drip trough for catching drippings from wet films supplied at \$1.50 extra. The Buck Illuminator accommodates a 250 watt special x-ray illuminator bulb, or any smaller bulb. (Bulb not included with the illuminator.) The front is a combination of Opal Blue Glass with a clear glass baffle (one sheet of each) supplied as standard. "North Light" Glass supplied for \$6.50 extra.



No. 3259 BUCK Cold-Front Illuminator, 14" x 17"..... Code GIGAN  
3258 BUCK Cold-Front Illuminator (group of 4, 14" x 17")..... Code GNATH

## BUCK Fluorotube Illuminator

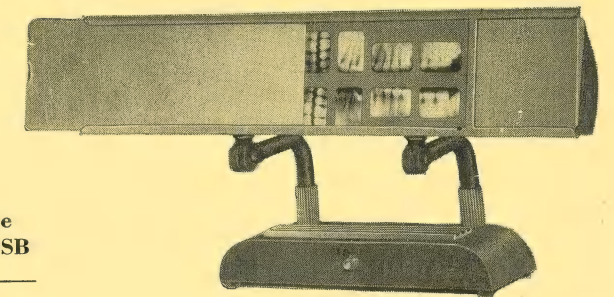


CONSTRUCTED with three large-diameter daylight fluorescent tubes having low current consumption. The three tubes eliminate vertical shadows and give maximum luminosity. Illumination is soft blue-white, yet penetrates denser portions of radiograph. Frame of metal with double strength white-opal glass front. Available as single unit or in group of four units. Can be grouped with Buck Cold-Front units. Finish, gray-green with nicked switch and clips. Alternating current only, 110 volt. Drip troughs supplied at \$1.50 extra per unit.

No. 3738 Buck Fluorotube Illuminator 14" x 17"..... Code TIMLE

## PROFESSIONAL Fluorescent Dentaray

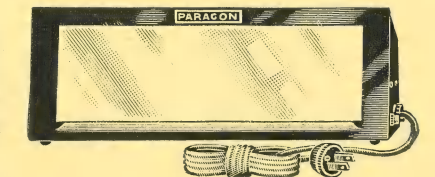
THIS is a double-duty lamp that may be placed on the dental cabinet, first, for illuminating dental films, as shown in the illustration; second, it will throw sufficient daylight over the entire working surface of the cabinet for mixing cements or selecting shades of porcelain. The lamp consists of a 15-watt, 18" daylight tube. Height of unit, 10", length, 18". Base, 10"x4 1/2". Operates on A.C. or D.C. Tube guaranteed for one year.



No. 3740 Professional Fluorescent Dentaray..... Code TIMSB

## PARAGON Dental Illuminator

The Paragon Dental Illuminator embodies all the essential qualities required for the proper illumination of dental radiographs. It is compact in size, yet large enough to accommodate a fourteen window mount; it is equipped with one 12" tubular lamp, new style, day-light, blue flashed opal glass and six foot cord. The switch is placed in the forward lower corner of the right end wall, the most convenient place to reach with the right hand. Ample ventilation allows the heat generated by the lamp to escape readily. The inside is finished in daylite white, giving an even distribution of diffused light over the entire surface of the glass front. Outside finished in silver green.



No. 3734 Paragon Dental Illuminator, complete with 12" tubular lamp, 6' cord, switch and flashed opal glass. Code TACOS

## SPECIAL GLASS FOR ILLUMINATORS

No.	Code	No.	Code
3753 Opal Glass for Paragon Dental Illuminator No. 3734.....	THALA	3756 Opal Blue Glass for No. 3259 and No. 3260 Buck 14" x 17" Illuminators.....	THECA
3754 Opal Blue Glass for No. 3734.....	THANY	3758 Opal Glass for 14" x 36" Illuminator No. 3736.....	THEEL
3755 Opal Blue Glass for FISCHER No. 551—8" x 10" Illuminator.....	THEAS		

## DAYLIGHT (INSIDE FROSTED) BULBS FOR ILLUMINATORS

No.	Code	No.	Code
3761 40 watt Special Long Bulb for Illuminator No. 3734, 110 volts.....	TEXTU	3763 200 watt Illuminator Bulb, 110 volts.....	TIQUE
3762 250 watt Illuminator Bulb, 110 volts.....	THAMO	3764 150 watt Illuminator Bulb, 110 volts.....	DACER

Prices on bulbs for other than 110 volts quoted on request.

## AGFA Rapid X-Ray Developer

Agfa Rapid X-Ray Developer is a scientifically prepared formula mixed from photographically pure chemicals. It is packed in metal containers and needs only to be dissolved in water to be ready for use. It produces more contrast than was previously possible with developer formulae used in the past.

No.	Code
4156 1 gal. Agfa Rapid X-Ray Developer.....	TALOO
4157 3 gal. Agfa Rapid X-Ray Developer.....	TALPP
4158 5 gal. Agfa Rapid X-Ray Developer.....	TALMO



## AGFA X-Ray Fixer

Agfa X-Ray Fixer is a dependable preparation which insures the proper quantity and quality of all chemicals required for complete fixation. Agfa X-Ray Fixer contains the correct amount of Potassium Alum to prevent softening of the emulsion if wash water becomes too warm. Agfa X-Ray Fixer is also packed in metal containers ready for use when dissolved in water. It is particularly good for hot weather work.

No.	Code
4161 1 gal. Agfa X-Ray Fixer.....	TALOP
4162 3 gal. Agfa X-Ray Fixer.....	TALRR
4163 5 gal. Agfa X-Ray Fixer.....	TALSS



EASTMAN X-Ray Developer

Eastman X-Ray Developer is especially prepared for x-ray development and offers the most economical and convenient means of obtaining the best results in either tank or tray development of films. They cost no more than developers prepared from formulas and their use precludes the possibility of waste through faulty preparation of solutions.

No.		Code
3356	Can containing sufficient powder to prepare one gallon of ready-to-use solution.....	GALBY
3357	Can containing sufficient powder to prepare five gallons of ready-to-use solution.....	GALLA



EASTMAN X-Ray Fixer

These powders are the final step in the standardization of the processing of x-ray films. They are ready for use with the addition of water, and the solution thus obtained is clear and colorless. They combine fixing with maximum hardening, and are packed in convenient sizes to make tank recharging easy.

No.		Code
3362	Can, for preparing one gallon of solution.....	GALTO
3363	Can, for preparing five gallons of solution.....	GAMET

EASTMAN Concentrated (Liquid) X-Ray Developer

EASTMAN Tested Chemicals in liquid form, for developing and fixing x-ray films. To make ready-to-use solutions it is only necessary to dilute with water; entire amount may be prepared at once or small quantities used as desired. Quart bottle makes 1 gallon of solution.

No.		Code
4675	Eastman Concentrated X-Ray Developer (quart bottle) .....	TIMIG

EASTMAN Concentrated (Liquid) X-Ray Fixer

SUFFICIENT to make 1 gallon of fixer; contents of "A" bottle is diluted with water and solution in "B" bottle (hardener) added. Has exceptionally rapid clearing action.

No.		Code
4676	Eastman Concentrated X-Ray Fixer (quart bottle and hardener) .....	TIMKF

BUCK Developing Chemicals

THE value of Buck X-Ray Developer and Buck X-Ray Fixer lies in the lasting quality of the solutions and the diagnostic value of the finished radiograph. In this day of high speed film and equipment, it is absolutely necessary that maximum uniformity be maintained, if satisfactory and economical results are to be expected. To "make good" not only means producing something which is good enough to "get by," but something which is the best possible to produce. The best is the cheapest in the end. Buck X-Ray Developer and Buck X-Ray Fixer are high grade photographic chemicals—there is nothing better.



BUCK X-Ray Developer

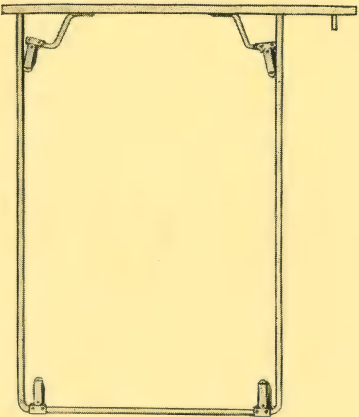
No.		Code
680	Six powders to the package, each powder makes 16 oz. of solution.....	LAIRD
681	Makes 1 gallon solution.....	LAMBO
685	Makes 5 gallons solution.....	LEVAN

BUCK X-Ray Fixer

No.		Code
683	Makes 64 oz. of solution.....	BRAXY
707	Makes 1 gallon solution.....	ZIKCA
708	Makes 5 gallons solution.....	ZIKHE



FISCHER Developing Hangers



THE processing of x-ray films is made much easier by the use of proper developing hangers. Not only the development but fixing, washing and drying are also facilitated by their use.

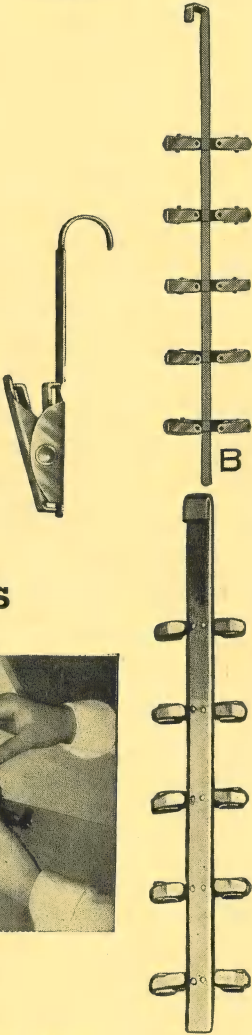
FISCHER hangers are made of metal which is unaffected by the action of developing solution. A spring clip at each corner securely grips the film so that it is handled conveniently. The hangers are made with a 16-inch, square cross-bar for use to the best advantage in the tank method.

No.	Size		Code
1715	5 "	x 7 "	FISCHER Developing Hanger.....INCUR
1716	6 1/2 "	x 8 1/2 "	FISCHER Developing Hanger.....INDEE
1717	8 "	x 10 "	FISCHER Developing Hanger.....INDEX
1718	10 "	x 12 "	FISCHER Developing Hanger.....INDEX
1719	11 "	x 14 "	FISCHER Developing Hanger.....INDIA
1714	14 "	x 17 "	FISCHER Developing Hanger.....INDIC
3732	14 "	x 36 "	FISCHER Developing Hanger.....TANAX

BUCK Dental Film Developing Clips

Each clip is made with a single tooth upper jaw which firmly clamps the film against a perforated low jaw, thereby securely holding the film without making an ugly perforation or crimping the edge. The flat spring is much heavier and stronger than would be possible with any other style of spring in such a limited space. Silver deposits on the surface of the spring will not interfere with its flexibility. All clips are rigidly mounted on a heavy bar. The variety of styles manufactured will meet the requirements of every office, laboratory and hospital. All clips are securely riveted to the bar or frame. This overcomes the possibility of the clips coming loose. The substantial construction means long life and economy.

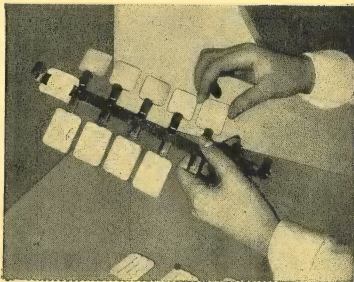
No.		Code
3395	Single Clip ..... (Buck Style A)..... Dozen .....	OCCAY
3396	Ten Clips ..... (Buck Style B).....	OCCIP
3403	Short style for dental tanks..... (Buck Style SD).....	OCTIP



EASTMAN Dental Film Developing Hangers

As illustrated, these are made in various types and groups. Arranged to hang over the side of the developing tank or on a rack for drying purposes. Eastman hangers have a white marker at the upper end of the rod on which the case number may be written.

No.		Code
1627	(Eastman No. 2) Dental Film Hanger—10 clips.....	DAXED
1628	(Eastman No. 3) Short Model with 10 clips.....	DEDAY
1629	(Eastman No. 4) Long Model with 14 clips.....	DADYI
1630	(Eastman No. 5) With 6 clips for use in special shallow developing tanks .....	DIXYO
1634	(Eastman No. 7) Dental Film Hanger, 16 clips... ..	DAGTW



FISCHER Developing Frame

For Holding 14" x 17" Films in 36" Developing Tank.

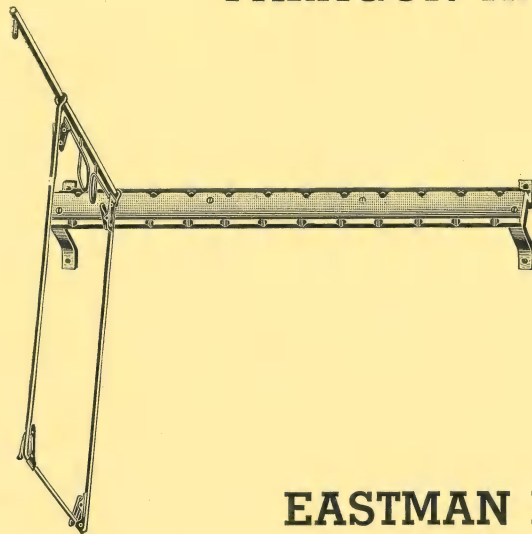


Made of metal which is unaffected by the action of developing solution—rust-proofed steel. A spring clip arranged at each corner securely grips film and permits convenient handling.

No.		Code
4042	Developing Frame for holding 14x17" Films in 36" Developing Tank.....	TAIDC



## PARAGON Aluminum Film Drying Rack



An all aluminum film drying rack to hold twelve films. Extremely simple in its design and operation. Complete with screws for wall mounting.

No. 3261 Paragon Aluminum Drying Rack.....THORY

## EASTMAN DENTAL Film Developing Clip

This individual clip for holding a single film can be suspended on the side of the tank. Each clip has a white marker on which a case identification may be written.

No. 1639 Single Film Clip with hook to hang over edge of tank or tray, per dozen.....DAFTA



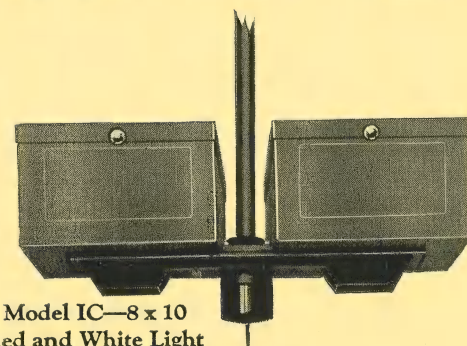
## EASTMAN Darkroom Lamp



AN efficient, suspension-style safelight lamp. Attaches to drop-cord or appropriate fixture by means of threaded connector. Shell of steel with attractive gray enamel finish. Diameter, 5½ inches. The interior surface reflects an exceptionally extensive spread of light for the size of the lamp. A 10-watt incandescent bulb is required.

No. 1599 Eastman Darkroom Lamp.....TIMHI

## BUCK Red and White Light—MODEL "IC"

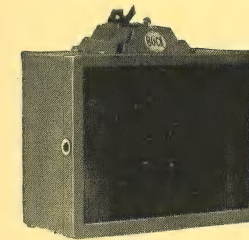


Model IC—8 x 10  
Red and White Light

THIS model is an indirect ceiling lamp, consisting of two 8x10 lamps (one red and one white) mounted on a horizontal base and attachable to the ceiling by use of a standard. A three-way switch with drop cord controls the lights. Construction is very substantial. 40-watt bulbs may be used. Underwriter listed.

No. 3352 Buck Red and White Light—Model "IC".....TIMCK

## BUCK Darkroom Lamps

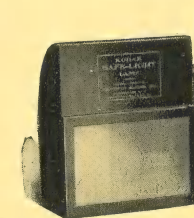


Made of a substantial weight of steel metal, all joints welded. Inside of each lamp is a curved reflector to give even distribution of light. The electric wiring is concealed according to the best code requirements. The switches used are of the two-pole type which prevents shock if touched with wet hands. The front frame is easily removed to change safelight or bulb. The grey green finish is highly resistant to rust caused by the action of water, developer or fixer.

Nos. 3348 and 3349 can be placed on a shelf or hung on the wall. Supplied with 15-watt frosted electric bulb and extension cord. Red safelights are standard, other colors special.

No. 3348 Model "B" Darkroom Lamp—5" x 7" Safelight only.....OCTOM  
3349 Model "A" Darkroom Lamp—8" x 10" Safelight only.....OCULA  
3350 Model "BX" Darkroom Lamp—5" x 7" Safelight only.....TIBMO  
3351 Model "AX" Darkroom Lamp—8" x 10" Safelight only.....TIBOP

## KODAK Safelight Lamps



The Kodak Safelight Lamp is ideal for all darkroom uses. Fitted with Wratten safelight, which provides even distribution of colored light and perfect safety from white light. Price includes Safelight, four feet of connecting cord and plug. No electric bulb is furnished, but a 25-watt Mazda bulb is recommended.

No. 1602 Kodak Safelight Lamp.....BATHK

## "BROWNIE" Safelight Darkroom Lamp



Slightly larger than the electric bulb it holds, the Safelight Lamp screws into an electric socket which may be conveniently situated close to the place where the work is done. To be used with 10-watt bulb.

No. 1601D "Brownie" Safelight Darkroom Lamp.....BATHO  
4166 Agfa Safelight Filter, 5"x7".....TASOO  
4167 Agfa Safelight Filter 8"x10".....TASOR

## Albader—Gall Bladder Dye



MANUFACTURED from Mallinckrodt Iodophthalein Soluble, U.S.P., 11—a product by the original producer of gall bladder dye. Albader is freely absorbed and, with rare exceptions, non-irritant. The uniformity of Albader permits precise compilation of statistics in gall bladder studies. The roentgenologist's reliance on Albader is nation wide, in laboratories, and hospitals, both large and small, proving it a dependable aid in cholecystographic examinations.

No. 3751 Albader—Gall Bladder Dye (4 grams of dye).....TIMOC  
3751A Box of 12—3751 Bottles.....TIPMO



## FISCHER Fluoroscopic Foot Switches



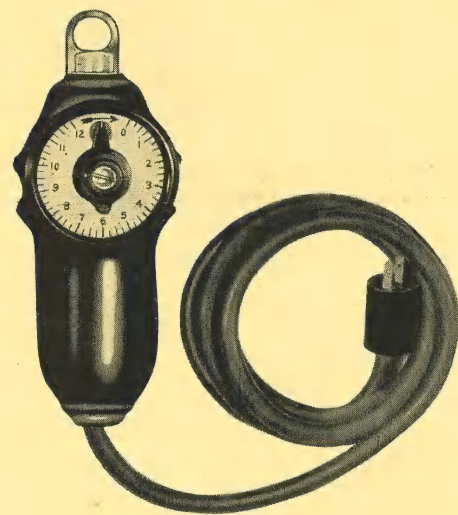
As illustrated, this Foot Switch lies close on the floor. A touch of the toe makes and breaks the contact. It is molded of bakelite with sufficient insulation to make it shockproof. It is easily moved about, yet keeps an upright position on the floor. The cable is flexible and covered with pure gum rubber; it may be washed and kept as new always. Cable terminals will be furnished to fit any style apparatus; specify machine used, when ordering.

No.		Code
1206	Extra rubber covered cable, per foot.....	TIBER
1495	Fischer Foot Switch with two prong plug for use with Model "H" Portable X-ray.....	TARWW
1497	Fischer Foot Switch with two prong plug on connecting cord as used with FISCHER "100-100" and "SP-100" X-ray Units, and also all FISCHER Short Wave Apparatus.....	ZISYV
1497-A	Fischer Foot Switch with three prong plug on connecting cord as used with FISCHER "60-88", "DS-60", and "SP-60" X-ray Units.....	SABXW
1497-B	Fischer Foot Switch with three prong lock type plug on connecting cord for use with Fischer Model "G" Shockproof X-ray Apparatus.....	TATSO
1497C	Fischer Foot Switch for use with No. 4480A Control.....	TICBD
1498	Fischer Foot Switch with two tips on end of connecting cord as used with older FISCHER Long Wave Diathermy Apparatus.....	WAVIN

## FISCHER Remote Control X-Ray Switch

A simple hand switch, of the "push button" type, mounted in a very neat octagon shaped moulded Bakelite handle with 6-ft. cable for use wherever remote hand control is desired in connection with x-ray apparatus.

No.		Code
3996	FISCHER Hand Switch.....	SACBB



## Spring-Actuated Hand Timer

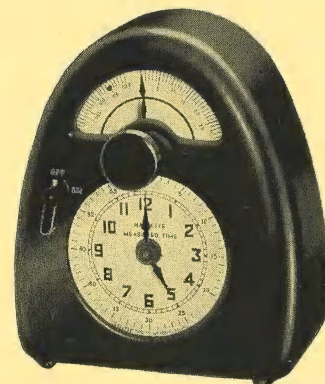
Of exceptional accuracy. Thoroughly insulated for safety. Calibrated to permit exposures from one-fourth second to 12 seconds. This timer serves both as an x-ray switch and a timer. Automatically breaks current at expiration of time set. Housing of bakelite. Cord length, approximately 54".

No.		Code
408	Fischer Spring Actuated Hand Timer for use with Catalog No. 2240 "DENTAL-X".....	FANLI
408B	Fischer Spring Actuated Hand Timer for use with Model "G" Fluoroscope and "G" Remote Control.....	TARHG
408C	Fischer Spring Actuated Hand Timer for use with Model "H" Portable X-Ray Unit.....	TEALM
408D	Fischer Spring Actuated Hand Timer for use with 4480 Control.....	TIBSR
408E	Fischer Spring Actuated Hand Timer for use with "WMDX" Dental X-Ray Unit.....	TIDGE

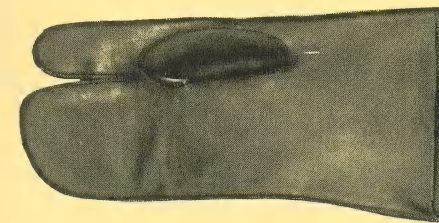
## The HAWKEYE Timer

Registers the length of any treatment exactly. A wonderful aid to accurate timing, particularly valuable when the physician is treating more than one patient at a time. The Hawkeye rings an alarm at the exact moment treatment should end. Frame is of Bakelite. Furnished with black or ivory finish. Calibrated in minutes.

No.		Code
3917	Hawkeye Timer.....	DABAB



## Leaded Rubber Gloves



MADE from a specially manufactured soft, flexible lead rubber, having protective qualities which conform to the required standards, with an outer covering of high grade horsehide, noted for its wearing quality, and a lining of strong knitted fabric. This efficient and low-priced Glovet will unquestionably find instant favor with those who try it. Over-all length, 13 inches.

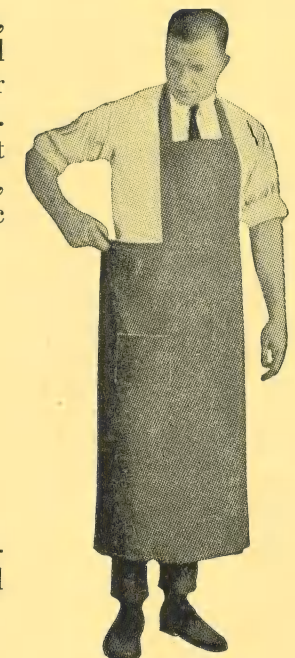
No.		Code
4054	Lead Rubber Gloves, Pair.....	TIGYB
4054-1	Left Hand Glovet only.....	TIPHI

## Leather-Covered Leaded Rubber X-Ray Protection Gloves



These gloves are made of soft buckskin, lined with 3/64" leaded rubber, protected with an additional cloth insert. The rubber lining is equal in protection value to .5 mm. lead. Soft and pliable. These gloves permit free movement of the hand and fingers. Also, they offer ample protection in fluoroscopic work.

No.		Code
4053	Improved with added protection and flexibility (medium size).....	TAMAJ



## Waterproof Aprons

Laboratory and clinic apron of featherweight fabric, waterproof, odorless, flexible. Can be washed. Will not crack or peel. Gives maximum comfort and service.

No.		Code
3370	Waterproof Apron.....	TATBA

## Leaded Protection Apron

Length over all 36". Weight 8 1/2 lbs. Thickness 1/16". Protective value equivalent to approximately .5 mm. sheet lead.

No.		Code
385A	Leaded Rubber Apron.....	AMOTT



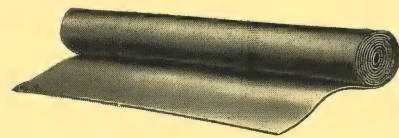
## Insulating Oil for Transformers

When, for any reason, the insulating oil in which a transformer is immersed needs replenishing, *never use ordinary lubricating material*. The proper oil must be mineral in substance, and capable of withstanding a very high flash test. The safest procedure is to order the desired quantity from us, with the assurance that only that oil which is exactly correct will be sent you.

No.		Code
725	Tested Transformer Oil, in 1 qt. can.....	TRAFI
726	Tested Transformer Oil, in 1 gal. can.....	TANOI



## Leaded Rubber Protection Sheeting



X-Ray Protection Cloth, in strips 36 inches wide, any length, made of heavy lead impregnated rubber with a linen center, insuring great strength as well as absolute protection. 1 square yard averages about 14 lbs. Order by size instead of by weight. Sold any length, by 36 inch width.

No.	Code
333	Leaded Rubber Protection Sheeting, lb. .... AMEBA



## GASTROPAQUE (Buck Barium Meal)

Gastropaque (Flavored) is prepared with a low food value. The viscosity is sufficient to carry the barium in suspension for a reasonable length of time, and the flavor indicates a beverage rather than a food. Manufactured from a highly pure grade of barium sulphate guaranteed free from coarse crystals, which will irritate inflamed tissue, also free from toxic-causing impurities. Mixes without difficulty. The flavor makes this barium meal an inviting drink, and it will not sour even if prepared a day or more in advance of use. Supplied in 10 lb. hermetically sealed cans, also in cartons containing twenty individual packets for individual meals. Each package is carefully weighed and ready for use by adding the correct amount of water. This is not only a convenience, but insures uniform preparation at all times.

Gastropaque (Unflavored) is intended for use in colon examination—may be used as a barium meal with or without the addition of a flavoring medium.

No.	Code
3222	Gastropaque (Flavored) 20 dose pkg. .... TIGXC
3223	Gastropaque (Flavored) 10 lb. hermetically sealed tin. TIGWD
3224	Gastropaque (Unflavored) 10 lb. hermetically sealed tin ..... TIGVE



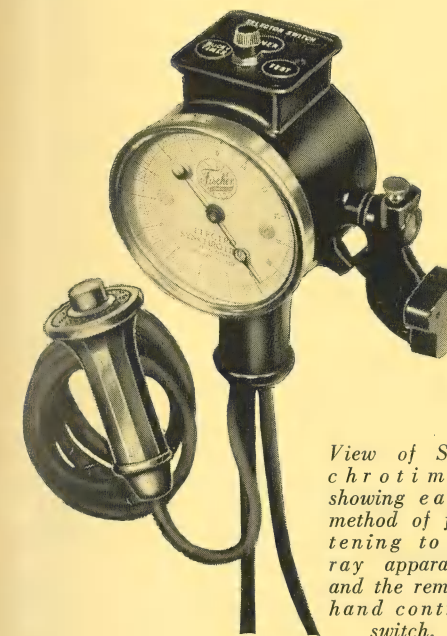
## PARAGON Barium Sulphate For Abdominal Work—(99.92% Pure)

Paragon Barium Sulphate is an extremely fine, non-toxic pure barium sulphate; has been used by leading Roentgenologists for years. It is very finely ground and goes into suspension readily in buttermilk, or any of the ordinary mixtures. Gives clear, dense shadows, disclosing clearly any pathological condition which may exist. Packed in sealed containers.

No.	Code	No.	Code
3741	1-lb. container ..... TERSY	3744	25-lb. container ..... TERNO
3742	5-lb. container ..... TERER	3745	50-lb. container ..... TEROX
3743	10-lb. container ..... TERMI		

## FISCHER Electro-Synchrotimer

Accurate timing of exposures is essential in making x-ray negatives. Timing is one of the four main factors to consider—it is just as important as tube-film distance, milliamperage, and kilovoltage. Without accurate timing, good negatives cannot be produced and the positive repetition of results is impossible. The two chief features of this new FISCHER Electro-Synchrotimer are (1) its accuracy and (2) the fact that it measures time in fractional seconds.



View of Synchrotimer showing easy method of fastening to x-ray apparatus and the remote hand control switch.

No.	Code
3670A	1/10 to 15 seconds, 110 volts, 60 cycles, less bracket... HEINE
3676A	1/4 to 30 seconds, 110 volts, 60 cycles, less bracket... HEYNS
3679A	1/2 to 60 seconds, 110 volts, 60 cycles, less bracket... HIDRO
3685A	1/10 to 15 seconds, 110 volts, 50 cycles, less bracket... HIDOP
3694A	1/2 to 60 seconds, 110 volts, 50 cycles, less bracket... SACMM
3674A	1/10 to 15 seconds, 110 volts, 60 cycles, with bracket... HEXIT
3678A	1/4 to 30 seconds, 110 volts, 60 cycles, with bracket... HICKY
3681A	1/2 to 60 seconds, 110 volts, 60 cycles, with bracket... HILUS
3687A	1/10 to 15 seconds, 110 volts, 50 cycles, with bracket... HIRSU
3688A	1/2 to 60 seconds, 110 volts, 50 cycles, with bracket... JATRO

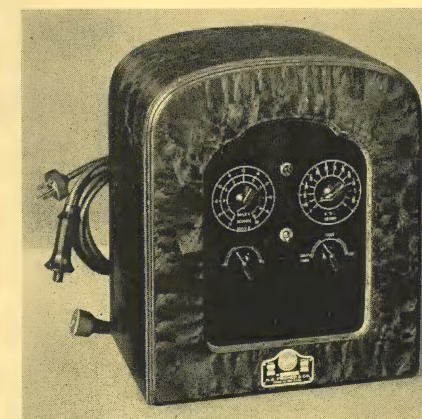
All timers above are arranged to fit the control boxes on FISCHER X-Ray Apparatus.

The following FISCHER Electro-Synchrotimers are for use with outfits not of FISCHER manufacture. The order must clearly state outfit with which timer is to be used.

No.	Code
3689	1/10 to 15 seconds, 110 volts, 60 cycles... SACHH
3690	1/4 to 30 seconds, 110 volts, 60 cycles... SACH
3691	1/2 to 60 seconds, 110 volts, 60 cycles... SACJJ
3692	1/10 to 15 seconds, 110 volts, 50 cycles... SACKK
3693	1/2 to 60 seconds, 110 volts, 50 cycles... SACLL

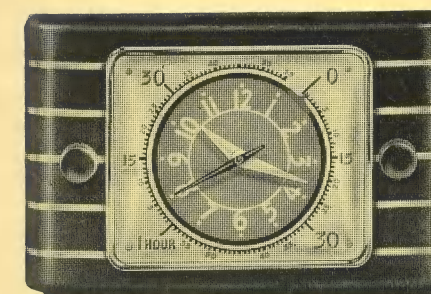
## FISCHER Electronic Timer

Of the automatic-reset type. Automatically resets itself to make succeeding exposures of the same, or identical, time interval. Switch permits release of Bucky diaphragm by timer push button. Accurately times exposures from 1/20 second to 20 seconds.



No.	Code
4120	FISCHER Electronic Timer ..... TAMSS

## Synchronous Motor-Operated MINUTE MINDER



Provides accurate time and, when required, serves as a reminder at end of preset interval. Records up to 1 hour and 55 minutes. Operated by sturdy self-starting synchronous motor. For 110 volt, 60 cycle, A.C. In the photographic darkroom, an audible signal is repeated every second as long as required. A second hand provides added convenience.

No.	Code
4027	Synchronous MINUTE MINDER, as illustrated... TIBJK



## PARAGON Bari-Susp

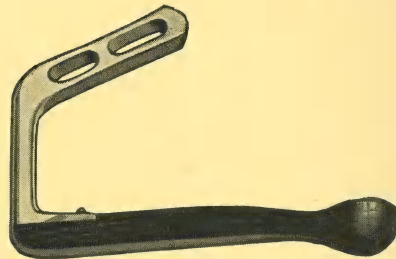
A pleasant and palatable mixture of the famous Paragon brand Barium Sulphate and a Carbo-Hydrate, with flavoring, making an ideal visualizing preparation for abdominal radiographic work. Just add water and serve. No buttermilk or other vehicle necessary, but may be added if desired without causing precipitation. For the six hour test or fluoroscopic examination in adults, the average amount of Bari-Susp used is about 4 very heaping teaspoonfuls suspended, preferably in two glasses of water. A larger quantity of Bari-Susp and water is used for enemas.

No.		Code
3746	5 lb. container. Paragon Bari-Susp.....	TESSE
3747	10 lb. container. Paragon Bari-Susp.....	TETAN
3748	25 lb. container. Paragon Bari-Susp.....	TETAR

## Palparium Spoon for Fluoroscopic Work

This spoon is intended for use where the operator does not choose to use the hand. The face of the spoon is covered with a circular shaped piece of lead which reflects the position of the spoon on the screen.

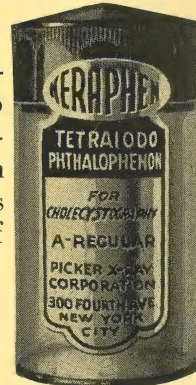
No.		Code
3749	Paragon Palparium Spoon.....	TETBO



## X-Ray Opaque Chemicals — Keraphen

A soluble, pleasant form of tetraiodophenolphthalein for oral administration in cholecystography. Keraphen is a peppermint flavored, bluish gray powder which gradually turns into a creamy white liquid when mixed with a quarter glass of water. It does not disturb the digestion or create the nausea that ordinarily results from plain Tetraiodophenolphthalein. When placed in an alkaline medium Keraphen readily yields sodium Tetraiodophenolphthalein in its purest form for absorption by the body. Keraphen is supplied in single dose bottles of approximately 12 grams each.

No.		Code
3780	12 doses Regular Keraphen A.....	THYMI
3781	12 doses Heavy Keraphen B.....	THYRA
3779	12 doses Twin Keraphen X.....	TIBIH



## Neo-Iopax

Neo-Iopax for intravenous pyelography. The simplest diagnostic aid for visualization for the kidneys and ureters. Gives the sharpest radiographs with the smallest dose.

20 cc. is the adult dose. Simply warm ampule, inject, make the exposure a few minutes later, and the result should be a clear cut radiograph.

No.		Code
3782	20 cc. ampule Neo-Iopax.....	SABWU

## Tetradol Emulsion

(For Oral Administration in Cholecystography)

This dye is administered as a very fine, freshly precipitated colloidal suspension, which upon passing into the duodenum is readily converted into the soluble salt and easily absorbed. The method of administration is very simple and can be readily performed by the patient without fear of mistakes. Contents of one bottle of Tetradol Emulsion stirred into a glass of grape juice or water make the complete dose. Nausea or unpleasant by-effects are rare and shadows of excellent density are uniformly obtained.

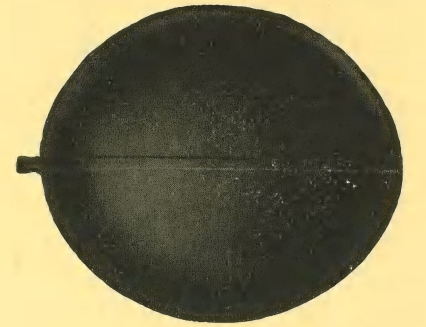
No.		Code
3784	Tetradol Emulsion, Single dose Tetradol Emulsion.....	TIBIL
3785	Tetradol Emulsion, One Dozen doses Tetradol Emulsion.....	TIBLA



## Compression Bladder

Made of ribless rubber, with a single seam which will not at any time offer obstruction in the active field. Compressor inflated will conform to any contour perfectly—deflated is 12" in diameter.

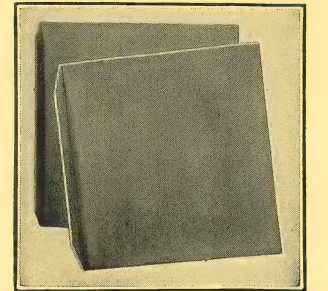
No.		Code
585	Compression Bladder.....	RUBCO



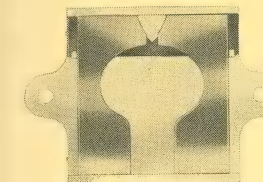
## Aluminum Filters

Made of pure sheet aluminum, 1 mm. thick.

No.		Code
1067	Round Aluminum Filter, 2-7/16" diameter. (Fits Fischer "DENTAL-X").....	ZIZUB
3558A	Square Aluminum Filter, 4" x 4"—has narrow edge. (Fits Fischer "60-88," "SP-60" and "DS-60" Machines).....	FLUKE
3559A	Same as No. 3558A, but with wide folded edge (see cut).....	FLUSH
3560	Aluminum filter for "DSP-20" tubehead.....	SADOO

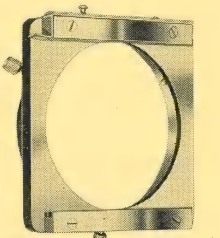


## ADJUSTABLE Filter for 36" Spine Radiography



FILTERS

CONSISTS of aluminum frame into which adjustable copper filters may be inserted. These copper filters are of different sizes and shapes and through selection or combination permit any desired amount of filtering. Note illustration of filters (left) and of holder (right). For FISCHER Models "60-88" and "100-100", the filters only are needed. For FISCHER "100-96" "T" and "G" Models, a holder is necessary.



HOLDER

No.		Code
3553A	Adjustable filters in aluminum frame.....	SAFHH
3556	Holder for Adjustable Filters.....	TIOAB
3557	Adjustable filters and holder.....	TIOCO
3561	Cone shaped adapter for supporting Cat. No. 3557 Filters and Holder to FISCHER Model "100-96" unit.....	TIPKL

## Leaded Glass

Leaded glass, for use as protection in cabinets and for shields. Extra heavy thickness, containing about 30 per cent lead.

No.		Code
391	Lead Glass, size 5" x 7", 3/16" thick.....	GLOSS
392	Lead Glass, size 6 1/2" x 8 1/2", 3/16" thick.....	GLUSI
394	Lead Glass, size 8" x 10", 3/16" thick.....	GLYCI
395	Lead Glass, size 10" x 12", 3/16" thick.....	GOADY
396	Lead Glass, size 11" x 14", 3/16" thick.....	GOBLE
397	Lead Glass, size 12" x 16", 3/16" thick.....	GIXEL
398	Lead Glass, size 14" x 17", 3/16" thick.....	GESIX

## Sheet Lead

Sheet Lead, 1/16 inch thick, for mounting on walls and doors of x-ray rooms, for protection of films, etc. May be obtained in widths up to 24 inches. Exact size should be specified when ordering. For example NOT "3 sq. feet" but rather "12 in. x 36 in." or "18 in. x 18 in.". A 12-inch square weighs approximately 3 lbs.

No.		Code
381	Sheet Lead, per lb.....	GLOMU

## Lead Protection Foil

No.		Code
380	Lead Foil, 6-inch width rolls contain from 2 lbs. 6 oz. to 4 lbs. 6 oz., per pound.....	GLOBE



## X-RAY FILM MARKERS

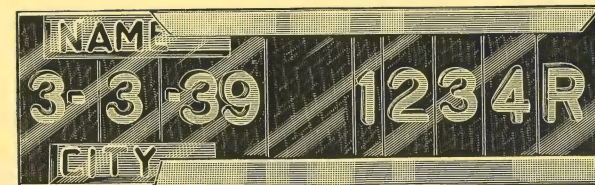
(Film markers with name cut not returnable for credit.)

### PERFECTION X-Ray Film Marker

A light weight aluminum film marker. Your name and address in raised letters, mounted on upper and lower edges. Numbers and letters are securely fastened on celluloid strips, and may be replaced from either end.



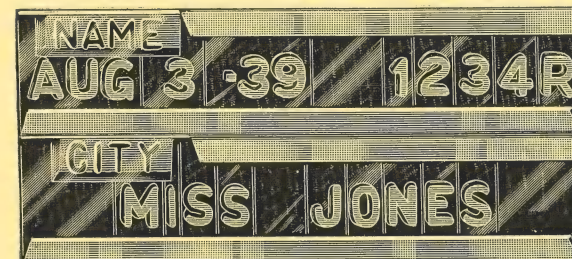
No.		Code
3468	Perfection X-Ray Film Marker, with 4 sets of 1/4 inch figures and one each R and L, in wood case.	GYROS
3466	Set of Months and Dates.	GYMMA
3469	Perfection Marker only (lettered).	UBERO



### ECLIPSE CUSHION Film Marker Set

Composed of rubber pad securely fastened between two strips of bakelite. Name and address cemented under top strip of bakelite, as shown. Concealed but show distinctly on film.

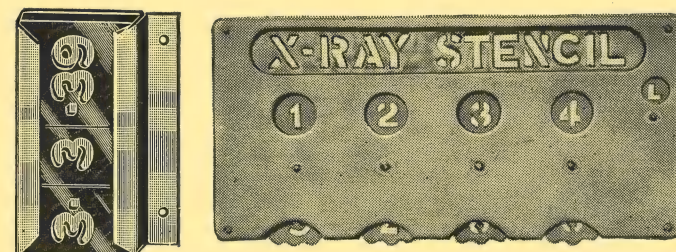
No.		Code
4695	Set consisting of: 1—Cushion type marker with your name and address. 4—Each 1/4" figures 0 to 9 on WHITE FIBERLOID. 1—Each 1/4" letters R and L on WHITE FIBERLOID. 1—18 Compartment Improved Type Case	TILTL TILUK TILWJ TILXH TILYG
4696	1—Months and Dates Set as illustrated.	
4697	FIGURES Mounted on WHITE FIBERLOID.	
4698	Cushion Type marker with name and address.	
4699	Blank Cushion type marker.	



### IDEAL CUSHION Film Marker Set

Recommended to protect patients' interests when taking radiographs that may be used for legal purposes. Be sure that the NAME, DATE and CASE NUMBER are placed on the film at the time the radiograph is taken. (Do not write on film after exposure). Name and address cemented under top strip of bakelite as shown, concealed but show distinctly on film.

No.		Code
4700	Set consisting of: 1—Double Cushion type marker with your name and address. 4—Each 3/16" Figures 0 to 9 on WHITE FIBERLOID. 1—Each 3/16" Letters R and L on WHITE FIBERLOID. 2—Each 3/16" Letters A to Z on WHITE FIBERLOID. 1—Each 3/16" Letters A-E-I-O-U on WHITE FIBERLOID. 1—36" Compartment Improved Type Case	TILZE TIMAS TIMBR TIMCP TIMDO
4701	1—Months and Dates Set as illustrated.	
4702	1—Months and Dates Set in figures only (8-3-39)	
4703	Cushion type marker with name and address.	
4704	Figures or letters mounted on WHITE FIBERLOID	



### Wheel Marker with Month and Date Attachment

Any name not having more than two lines of more than 20 letters, may be cut in the top section of wheel marker. The four wheels may be manipulated to show any number up to 9999. A fifth wheel is provided with letters "R" and "L" so that the right and left may be plainly marked. Advise, when ordering, the exact lettering to be cut in top section. Month and date container fastens securely to end of wheel marker.

No.		Code
572	1—4 Wheel Improved type wheel marker to number from 1 to 9,999 with month and date attachment, complete with months and dates (as illustrated)	TIMFL
571	1—Attachment as illustrated, with months and dates set attached to your old marker	TILSN
570	1—4 Wheel Improved marker (contains lead insert)	FAMES
4705	Extra Mounted 3/16" figures on WHITE FIBERLOID for months and dates set.	TIMEN

## Lead Letters and Figures



Solid Lead Letters and Figures mounted on celluloid strips. May be obtained in complete set of numerals or alphabet, or any amount or combination desired. Triangular or flat face letters as desired.

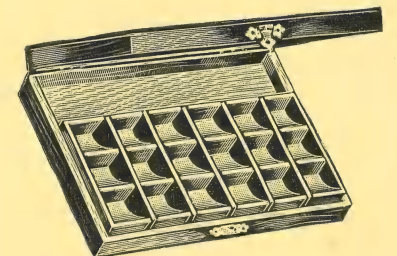
No.		Code	No.		Code
3475	Lead Letters, 3/16 inch high	ULECT	3480	Lead Numerals, 3/16 inch high	UMBON
3476	Lead Letters, 1/4 inch high	ULEXI	3481	Lead Numerals, 1/4 inch high	UNCIA
3477	Lead Letters, 5/16 inch high	ULOCA	3482	Lead Numerals, 5/16 inch high	UNCOM
3478	Lead Letters, 3/8 inch high	ULOID	3483	Lead Numerals, 3/8 inch high	UNGUA
3479	Lead Letters, 1/2 inch high	ULTEX	3484	Lead Numerals, 1/2 inch high	UNIFO

(If flat face letters are desired, as shown in smaller illustration, simply add letter "A" to catalog numbers when ordering, as 3475A. Unmounted letters or numerals, 3c each.)

### Lead Letter and Figure Case

A necessity for filing lead letters and figures. Cases made of steel. Available with eighteen or with thirty six compartments.

No.		Code
3487A	18-Compartment Case	TIRBE
3488A	36-Compartment Case	TIRCC



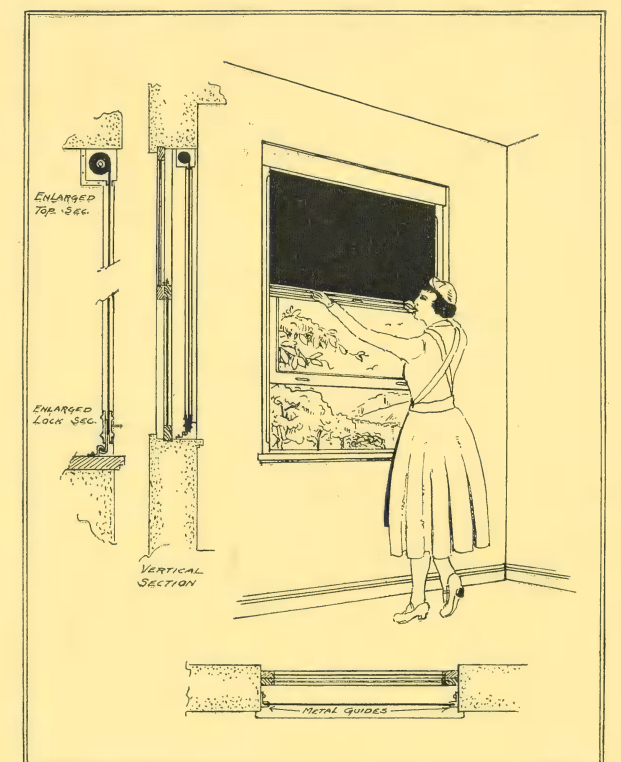
## The ST. CLAIR

### Light-Proof Shade

Solves the problem of attaining absolute darkness in x-ray and photographic departments. Material used is flexible, permitting shade to be raised or lowered easily. No danger of warping, cracking or fraying. Will not rattle. Shade glides snugly between narrow metal guides placed at the sides of the window frame. A patented locking arrangement at bottom, running whole width of window sill, holds shade down securely, prevents mishaps, and seals out even the faintest streaks of light.

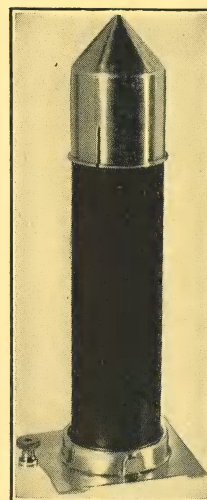
Can be mounted inside jamb, or outside of casing. Exact size and shape of opening to be covered must be given—to smallest fraction of inch. Quotation will then be made. Color black or special, at small additional cost. Write.

No.		Code	Price
3494	The ST. CLAIR Light-Proof Shade	UROBI	Depends on Size

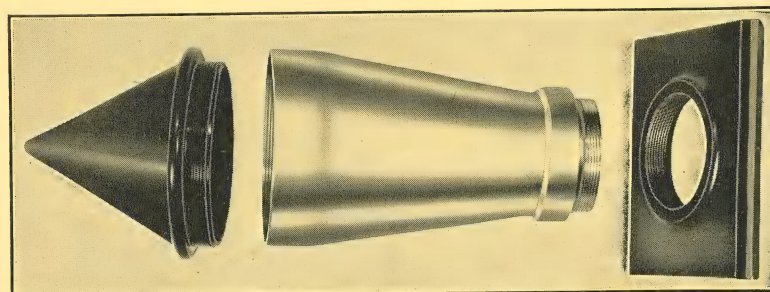




## FISCHER Radiographic Cones



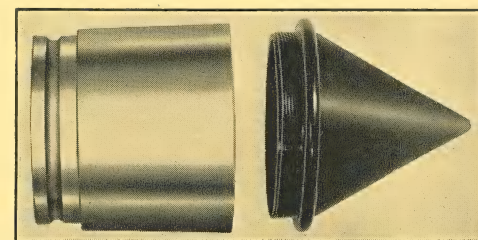
No.		Code
2413	Black fibre tube, diameter 2¼ inches, length 9½ inches, with metal end ring to fit No. 3586A adapter.....	ZIFFO
2244	Pointed aluminum cone to fit fibre tube No. 2413.....	ZIHFE
3586A	Metal adapter for fibre tube No. 2413 to hold tube to "60-88", "SP-60", "DS-60" and "100-100" models.....	FILUM
3585	Dental cone complete for "60-88", "SP-60", "DS-60" and "100-100" models—including Nos. 2413, 2244, 3586A.....	FILOP



3922

3920

3926



3921

3922

No.		Code
3920	Aluminum Adapter for Bakelite Cone for No. 3922 for Shockproof "DENTAL-X" and "DSP-20".....	YABAA
3922	Bakelite cone only for Aluminum Adapter No. 3920 for Shockproof "DENTAL-X" and "DSP-20".....	YABDO
3924	Complete cone for Shockproof "DENTAL-X" including Aluminum Adapter No. 3920 and Bakelite Cone No. 3922.....	YABOD
3926	Iron base only to adapt Aluminum Cone Adapter No. 3920 to "DSP-20".....	YABRY
3928	Complete Dental Cone assembly for "DSP-20" including Aluminum Adapter No. 3920, Bakelite Cone No. 3922 and Iron Base No. 3926.....	YACCY
3589	Bakelite Cone 3922 fitted with special Adapter No. 3921 to fit "DENTAL-X" (non-shockproof).....	FIDAX
3921	Aluminum Adapter for Bakelite Cone No. 3922 for "DENTAL-X" (non-shockproof).....	YABCC
3870	Lead lined compression cone 4½" for Shockproof "DENTAL-X".....	SADBB
3871	Aluminum Adapter with filter for Shockproof "DENTAL-X" Cone No. 3870.....	SADCC
3872	Complete lead lined compression cone 4½" for Shockproof "DENTAL-X", consisting of Nos. 3870 and 3871.....	SADDD
3873	Aluminum Adapter (to connect holder No. 3926 to cone No. 3870).....	SAFAA
3874	Aluminum Filter 2½" circle 1 mm. thick—fits adapter No. 3873.....	SAFAC
3931	4½" Lead Lined Cone, No. 3870, with base, No. 3926, adapter No. 3873 and filter No. 3874— for "DSP-20" X-ray Outfit.....	SAFBB
4402	Bell type cone for use with FISCHER Model "H" X-Ray Unit — diameter 4 inches, length 3½ inches—affords full coverage of 14x17 inch film at a focal-film distance of 30 inches.....	TEACH
4404	Bell type cone for use with FISCHER Model "G" X-Ray Unit — diameter 4 inches, length 3½ inches—affords full coverage of a 14x17 film at a focal-film distance of 30 inches.....	TEAHI
4344	Metal adapter designed to permit use of No. 3920 and No. 3922 as a dental cone with FISCHER Model "G" X-Ray Unit.....	TEPED
3927	Dental cone for use with FISCHER Model "G" X-Ray Unit—includes Nos. 3920, 3922 and 4344.....	TEDJK
4345	Metal adapter designed to permit use of No. 3920 and No. 3922 as a dental cone for use with FISCHER Model "H" X-Ray Unit.....	TEBFE
3925	Dental cone for use with FISCHER Model "H" X-Ray Unit—includes Nos. 3920, 3922 and 4345.....	TEDIJ

## FISCHER Radiographic Cones—Continued

No.		Code
3638	Lead Lined Compression Cone—5 inches long—sized in diameter that an 8 inch circle is exposed on the x-ray film at a 25 inch target-film distance. For Fischer "DSP-20" model only.....	HISOS
2417	Lead Lined Compression Cone—5½ inches long—sized in diameter that a 9 inch circle is exposed on the x-ray film at a 25 inch target-film distance. For FISCHER "60-80", "SP-60", "DS-60" and "100-100" shockproof models only.....	GARAM
2416	Lead Lined Compression Cone—5½ inches long, 6½ inches in diameter—for exposing a 13 inch circle on x-ray film at 25 inch target-film distance. For Fischer "60-88", "SP-60", "DS-60" and "100-100" shockproof models only.....	ZEVRU
2411A	Adapter for holding cones Nos. 2416 and 2417 in position on "60-88", "SP-60", "DS-60" and "100-100" shockproof models.....	TACTI

## Cones for FISCHER Units with Oil Insulated Tubeheads

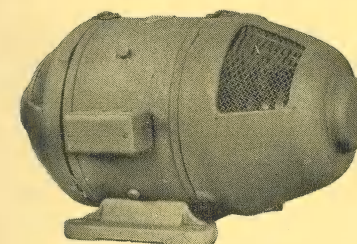
No.		Code
4735	Radiographic Cone, with heavy lead diaphragm, sized to expose a six inch diameter circle at 25 inch focal film distance; or a seven inch diameter circle at 30 inch focal film distance.....	TIPOM
4736	Radiographic Cone, same as No. 4735, sized to expose a ten inch diameter circle at 25 inch focal film distance; or a twelve inch diameter circle at 30 inch focal film distance.....	TIPPS
4737	Radiographic Cone, with heavy lead diaphragm, sized to expose a fifteen inch diameter circle at 25 inch focal film distance; or an eighteen inch diameter circle at 30 inch focal film distance.....	TIPSR
4738	Treatment Cone, with heavy lead diaphragm, sized to expose a one-half inch diameter circle at a 6 inch skin-focal distance.....	TIPTV
4739	Treatment Cone, with heavy lead diaphragm, sized to expose a one inch diameter circle at a 6 inch skin-focal distance.....	TIPVX
4740	Treatment Cone, with heavy lead diaphragm, sized to expose a one and one-half inch diameter circle at a 6 inch skin-focal distance.....	TIPXY
4741	Treatment Cone, with heavy lead diaphragm, for Fischer "DSP-20" unit, sized to expose a one inch diameter circle at a 6 inch skin-focal distance.....	TIPRE
4742	Adapter to accommodate Cones Nos. 4735 to 4740, inclusive, to FISCHER Model "T" and "G" units.....	TIJCZ



## Paragon Fluoroscopic Goggles

This type of goggles is made of two layers of flexible material—one green and the other red—to fit the face like a mask. They can be worn over any type of glasses with perfect comfort.

No.		Code
3668	Paragon Fluoroscopic Goggles.....	TERAS



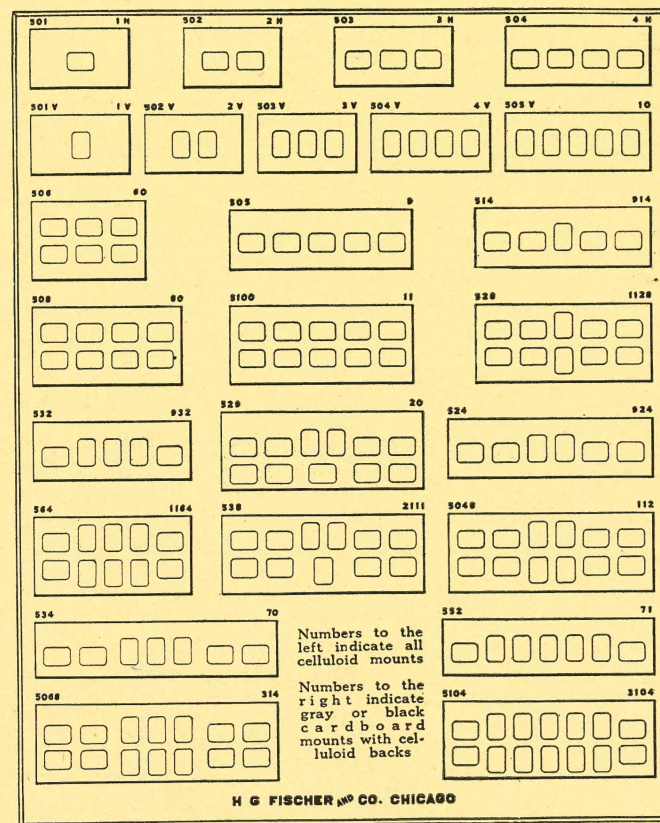
## Rotary Converters

Descriptive details and prices on rotary converters, from 1000 to 10,000 watts, furnished on request.

## GASOLINE Engines and Generators

Gasoline engines and electric generators can be supplied in varying sizes. Descriptive details and prices on request.





* 1st line grey cardboard with frosted acetate backing.				x 2nd line grey cardboard with clear acetate backing.			
Stock No.	25	50	100	Stock No.	25	50	100
* 1H	\$ .70	\$1.20	\$2.20	9	\$1.40	\$2.60	\$4.90
x C-1H	.60	1.10	1.90	C-9	1.10	2.10	3.90
† 501	.80	1.40	2.50	505	1.60	2.90	5.50
EZ-1H	.90	1.50	2.60	EZ-9	1.40	2.60	4.90
1V	\$ .70	\$1.20	\$2.20	924	\$1.50	\$2.70	\$5.20
C-1V	.60	1.10	1.90	C-924	1.30	2.30	4.40
501V	.80	1.40	2.50	524	1.80	3.40	6.60
EZ-1V	.90	1.50	2.60	EZ-924	1.60	2.90	5.30
2H	\$ .90	\$1.50	\$2.80	70	\$1.70	\$3.20	\$6.10
C-2H	.70	1.20	2.20	C-70	1.60	2.90	5.50
502	.90	1.60	2.90	534	2.10	4.00	7.70
EZ-2H	1.00	1.70	2.90	EZ-70	1.70	3.20	6.10
2V	\$ .90	\$1.50	\$2.80	EX-2-OCC	\$2.30	\$4.30	\$8.30
502V	.90	1.60	2.90	For Film 2 1/4" x 3"	Made		
EZ-2V	1.00	1.70	2.90	Only in EZ Mount.			
3H	\$1.00	\$1.80	\$3.30	FOR No. 3 BITE WING FILMS			
C-3H	.90	1.60	2.80	23	\$1.00	\$1.80	\$3.30
503	1.10	2.10	3.90	C-23	.90	1.50	2.80
EZ-3H	1.10	1.90	3.40	5023	1.20	2.10	3.90
3V	\$1.00	\$1.80	\$3.30	EZ-23	1.10	1.90	3.50
C-3V	.90	1.60	2.80	FOR No. 1 and No. 2 BITE WING FILMS			
503V	1.10	2.10	3.90	922	\$1.20	\$2.30	\$4.40
EZ-3V	1.10	1.90	3.40	C-922	1.10	2.10	4.00
EZ-1-OCC	\$1.60	\$2.90	\$5.50	5232	1.60	2.90	5.50
Made only in EZ Mount for Film 2 1/4" x 3"				EZ-922	1.40	2.60	4.90
4H	\$1.20	\$2.30	\$4.40	FOR No. 1 and No. 3 BITE WING FILMS			
C-4H	1.00	1.80	3.30	923	\$1.30	\$2.50	\$4.80
504	1.30	2.40	4.60	C-923	1.10	2.10	4.00
EZ-4H	1.30	2.40	4.50	523	1.60	2.90	5.50
932	\$1.30	\$2.30	\$4.40	EZ-923	1.40	2.60	4.90
C-2V	.90	1.20	2.20	FOR No. 1 and No. 2 BITE WING FILMS			
C-932	1.20	2.10	3.90	942	\$1.80	\$3.40	\$6.60
532	1.60	2.90	5.50	C-942	1.70	3.10	5.90
EZ-932	1.40	2.40	4.50	5342	2.00	3.70	7.20
914	\$1.40	\$2.60	\$4.90	EZ-942	1.70	3.10	5.90
C-914	1.20	2.10	3.90				
514	1.60	2.90	5.50				
EZ-914	1.40	2.60	4.90				

## FILM MOUNTS

### EEZEEMOUNTS

Made of three pieces of gray cardboard pasted firmly together. Yet they are thinner than wire-stitched mounts; hence they take up less space in the filing cabinet. No celluloid backing to blur clear vision.

Films slide to place with minimum effort; easier to mount than ordinary mounts.

When mounted, films are held in place on all four sides and cannot become dislodged.

### GRAY CARDBOARD

WITH EITHER CLEAR OR FROSTED ACETATE (NON-INFLAMMABLE) BACKING, FASTENED TOGETHER BY MEANS OF WIRE STITCHES.

Be sure to use correct stock numbers when ordering; also, specify clear or frosted as desired. Guaranteed not to warp or wrinkle.

### ALL CELLULOID (Inflammable) Mounts

Acetate material is not sufficiently strong in itself to be practical on this type of mount. Acetate will be made up to special order at user's risk at 25% additional cost.

### IMPRINTING

\$1.50 per order regardless of quantity or number of sizes ordered. Corner card on envelopes included when ordered with mounts; otherwise same charge applies.

### BLACK BORDERS ON CELLULOID MOUNTS

Will be imprinted at additional cost of \$1.00 per size regardless of quantity.

This is a needless expense and should be discouraged.

† 3rd line all frosted celluloid.

4th line EZ mounts all paper, no backing.

Stock No.	25	50	100	Stock No.	25	50	100
STEREOSCOPIC							
EZ-2H-S	\$1.10	\$1.90	\$3.50	C-2111	2.20	4.00	7.70
EZ-2V-S	1.10	1.90	3.50	538	2.70	5.10	9.90
Made Only in EZ Style Either Vertical or Horizontal.				EZ-2111	2.40	4.50	8.80
FOR No. 0 JUNIOR FILM				112	\$2.70	\$5.10	\$9.90
EZ-1H-J	\$ .90	\$1.50	\$2.60	C-112	2.40	4.50	8.80
Made Only in EZ Mount.				5048	2.70	5.10	9.90
EZ-2H-J	\$1.00	\$1.70	\$2.90	EZ-112	2.60	4.90	9.50
Made Only in EZ Mount.				314-23	\$3.50	\$6.70	\$13.20
60	\$1.40	\$2.60	\$5.00	C-314-23	2.90	5.60	11.00
C-60	1.30	2.30	4.40	5068-23	3.70	7.10	14.00
506	1.80	3.40	6.60	Not Made in EZ, — See EZ			
EZ-60	1.60	2.90	5.30	714-23.			
80	\$1.80	\$3.40	\$6.60	314	\$2.90	\$5.60	\$11.00
C-80	1.70	3.20	6.10	C-314	2.60	4.90	9.50
508	2.30	4.30	8.30	5068	2.90	5.60	11.00
EZ-80	1.90	3.50	6.70	EZ-314	2.80	5.40	10.50
1164	\$2.30	\$4.30	\$8.30	3104	\$2.90	\$5.60	\$11.00
C-1164	1.80	3.40	6.60	C-3104	2.60	4.90	9.50
564	2.40	4.50	8.80	5104	3.20	6.10	12.00
EZ-1164	2.30	4.30	8.30	EZ-3104	2.90	5.60	11.00
1128	\$2.30	\$4.30	\$8.30	316	\$3.50	\$6.70	\$13.20
C-1128	1.80	3.40	6.60	C-316	2.90	5.60	11.00
528	2.40	4.50	8.80	Not Made in All Celluloid.			
EZ-1128	2.30	4.30	8.30	Not Made in EZ Mount.			
314-22	\$3.50	\$6.70	\$13.20	FOR JUNIOR FILMS			
C-314-22	2.90	5.60	11.00	314-J	\$2.90	\$5.60	\$11.00
5068-22	3.70	7.10	14.00	C-314-J	2.60	4.90	9.50
Not Made in EZ, — See EZ				5068-J	2.90	5.60	11.00
714-22.				EZ-314-J	2.80	5.40	10.50
11	\$2.30	\$4.30	\$8.30	314-42	\$3.70	\$7.10	\$14.00
C-11	1.80	3.40	6.60	C-314-42	3.30	6.40	12.50
5100	2.40	4.50	8.80	5068-42	3.90	7.60	15.00
EZ-11	2.30	4.30	8.30	Not Made in EZ, — See EZ			
20	\$2.40	\$4.50	\$8.80	716.			
C-20	2.20	4.00	7.70				
529	2.70	5.10	9.90				
EZ-20	2.40	4.50	8.80				

## X-RAY BOOKS

(Not Returnable For Credit)

No.		Code
3429	The Chest in Children. 432 pages. E. Gordon Stoloff	GIRTH
3430	The Chest Roentgenologically Considered. 561 pages. Sante	GLABE
3408	Clinical Roentgen Pathology of Thoracic Lesions. W. H. Meyer	GASSE
3426	Gynecological Roentgenology, 571 pages. Julius Jarcho	GIMBE
3409	Injuries and Diseases of Bones and Joints. Baetjer and Waters	GAULT
3410	Intracranial Tumors Roentgenologically Considered. 225 pages. Loyal Davis	GAVAG
3411	Lobar Pneumonia. Leroy Sante	GAYAT
3432	Mastoids Roentgenologically Considered. Second Edition. 194 pages. Frederick M. Law	GLIOS
3431	Nasal Accessory Sinuses. Roentgenologically Considered. 239 pages. Frederick M. Law	GLAND
3413	Peptic Ulcer (Clinical Roentgenology). Buckstein	GELAT
3414	Physics of Radiology. J. L. Weatherwax	GELYS
3415	Pneumoconiosis (Silicosis). Pancoast and Pendergrass	GEMIN
3416	Radiologic Maxims. Swanberg	GEMMA
3417	Radiological Study of Para-Nasal Sinuses and Mastoids. Granger	GENAL
2317	Radiography of the Chest (Vol. II Non-Tuberculous Affections). 196 pages. Walker Overend	VUMAN
3418	Recent Advances in Radiology. Peter Kerley	GENGO
2318	Roentgen Interpretation. 4th edition. 339 pages. George W. Holmes and Howard E. Ruggles	VIMOX
3419	Roentgenographic Technique. D. A. Rhinehart	GEODE
3420	Roentgenology. Alban Kohler	GEOFO
2319	Roentgenology—Its Early History—Some Basic Physical Principles and the Protective Measures. 157 pages. Kaye	VIJUM
2321	Teeth and Jaws Roentgenologically Considered. Herman A. Osgood	JAHXA
3421	The Duodenum. Edward L. Kellogg	GERAN
3422	The Pelvis in Obstetrics. Julius Jarcho	GERMI
3428	Radiology in Relation to Medical Jurisprudence. (Employers' Liability and Workmen's Compensation Acts). 65 pages. S. Gilbert Scott	GIRAL
3427	Urological Roentgenology. 2nd edition. 564 pages. Hugh H. Young and Charles A. Waters	GINSE
2325	The Vertebrae Roentgenologically Considered. 256 pages. Arial Wellington George and Ralph Davis Leonard	JEXIX
3434	X-Rays and Radium in the Treatment of Diseases of the Skin. 2nd Edition. George M. MacKee. 788 pages	USNEA
3436	Oral Radiography. Simpson	TIBOX
2770	Brailsford—"Radiology of Bones and Joints." 1935 edition	DAFED
2769	Harrison—"Roentgenology." 1936 edition	DAFOC
2767	Holliday—"Dental Radiology Handbook." 1935 edition	DAFBA
2766	Sante—"Manual of Radiological Technique." 1940 edition	DAFAB
3406	A Descriptive Atlas of Radiographs. 4th edition. Bertwistle	GARRO
2352	Outline of Roentgen Diagnosis. Leo Rigler. Atlas edition	TIAYZ
2353	Outline of Roentgen Diagnosis. Student's edition	TIBAA
2764	Principles of Roentgenology Interpretation. Sante	TAMTT





# WHEN ORDERING REMEMBER . . .

It is better to use a separate sheet on which to write your order, and write on *one* side only. This hastens the correct filling of your order. Always give catalog numbers and write plainly, or when ordering by telegraph use *Code* words as they designate to us exactly what is desired, and save you expense in sending the message.

When shipping instructions do not accompany an order for accessories, we reserve the right to ship as we deem advisable—either Parcel Post or Express.

**Damage to Goods in Transit** Our responsibility ceases when goods are receipted for by the express or freight agent, and we cannot be held responsible for breakage during transit. If claim is to be filed for damaged goods, notify us immediately that proper claim may be entered.

Further, your local carrier's agent should at once be notified and have the damaged goods inspected. Neglect in complying with this rule places the responsibility entirely with the consignee in case claim is refused.

Return of goods by parcel post should always be insured so the shipper is protected in case parcels are lost.

**Guarantee** Any defects in our apparatus that may develop within (6) months from date of shipment under normal and proper use, due to faulty material, imperfect insulation, or ineffective workmanship, will be repaired or replaced at our expense, provided such apparatus is delivered *pre-paid* to our factory.

For repairs or replacements during the next twelve (12) months, we will charge only actual cost to cover, and after this period our service and our attention are to be called on when required, with the understanding that charges for overhauling "FISCHER" apparatus will always remain as near actual cost as possible.

We will not assume any liability for work done by others, without our consent in writing, nor for defects from improper storage.

We will not assume any liability for breakage of glassware, nor for deterioration of rubber goods,

x-ray films or any perishable goods. We can but use the best materials obtainable.

**Return of Merchandise** Credit for return of goods ordered in error or on account of dissatisfaction on receipt has become a serious factor of expense, and is a problem difficult of solution. In justice to our customers, and to ourselves, we have adopted the following rules, governing such returns:

No merchandise will be returnable for credit after having been in customer's possession fifteen (15) days or more.

No merchandise will be returnable for credit except upon written request of purchaser, and then only with our consent.

All merchandise must be returned *prepaid*.

No merchandise will be accepted unless returned in saleable condition.

All merchandise returned, whether for repairs or for credit, must be carefully packed, and all goods over a \$2.00 valuation should be insured.

And last, but very important, *never* fail to place *your name and address in and on* the box or parcel when shipping to us.

**Prices** All prices are figured F. O. B. Chicago. The prices quoted in this catalog on all our goods are as low as it is possible to make them and still be consistent with the quality of the materials and high grade of workmanship used in their construction.

*All orders for \$1.00 or under should be accompanied with stamps, money order or check.*

*Our prices are subject to change without notice.*

**New Accounts** We earnestly solicit new customers, but purchasers will appreciate the necessity of supplying satisfactory references. The name of the bank carrying your account, or some Chicago firm with which you have transacted recent business, is usually sufficient.

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